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ABSTRACT

This categorized listing updates a ten-year collection of research reports at the elementary and secondary levels published in 1974 and a compilation at the college level in 1975. This document is intended as a resource for those who want to explore the research in mathematics education. It consists of four alphabetical listings: reviews, summaries, and listings of research reports; journal-published reports; dissertations included in "Dissertation Abstracts International"; and documents available from the ERIC Document Reproduction Service. No annotations are included; however, a categorized index is included in this compilation. Studies were categorized by pertinent topics, with cross-references. (Author/MK)

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MATHEMATICS EDUCATION INFORMATION REPORT

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A Categorized Listing of Research on Mathematics Education 1974-1978

THE ERIC SCIENCE, MATHEMATICS AND
ENVIRONMENTAL EDUCATION CLEARINGHOUSE
in cooperation with
Center for Science and Mathematics Education
The Ohio State University

SE 030 730

MATHEMATICS EDUCATION REPORT

Marilyn N. Suydam

A Categorized Listing of Research on Mathematics Education

1974-1978

ERIC® Clearinghouse for Science, Mathematics
and Environmental Education
The Ohio State University
College of Education
1200 Chambers Road, Third Floor
Columbus, Ohio 43212

December 1979

Mathematics Education Reports

Mathematics Education Reports are developed to disseminate information concerning mathematics education documents analyzed at the ERIC Clearinghouse for Science, Mathematics and Environmental Education. These reports fall into three broad categories. Research reviews summarize and analyze recent research in specific areas of mathematics education. Resource guides identify and analyze materials and references for use by mathematics teachers at all levels. Special bibliographies announce the availability of documents and review the literature in selected interest areas of mathematics education. Reports in each of these categories may also be targeted for specific subpopulations of the mathematics education community. Priorities for development of future Mathematics Education Reports are established by the Advisory Board of the Center, in cooperation with the National Council of Teachers of Mathematics, the Special Interest Group for Research in Mathematics Education, the Conference Board of the Mathematical Sciences, and other professional groups in mathematics education. Individual comments on past Reports and suggestions for future Reports are always welcomed by the Associate Director.

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A Categorized Listing of Research
on Mathematics Education
1974-1978

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A Categorized Listing of Research on Mathematics Education

1974-1978

This categorized listing updates a ten-year collection of research reports at the elementary and secondary levels published in 1974[1] and a compilation at the college level published in 1975[2]. [For compilations previous to this, see ([3]).] It includes references to articles, dissertations, and ERIC documents published during the five-year period, 1974-1978. There is some overlap with the second publication cited above: research reports at the college level published in 1974 are included in both compilations.

This document is intended as a resource for those who want to explore the research in mathematics education. It consists of four alphabetical listings:

(1) Reviews, summaries, and listings of research reports

(2) Journal-published reports

(3) Dissertations included in Dissertation Abstracts International

(4) Documents available from the ERIC Document Reproduction Service (Some of these documents have pre-1974 dates, but were listed in Resources in Education, the ERIC reference guide, between 1974 and 1978. Other documents with publication dates during this period are listed in RIE after 1978, and are not included here.)

Most citations on the first three lists have appeared previously on the annual listing of research published in the Journal for Research in Mathematics Education.

No annotations are included, because of the space that would be consumed. (Actually, full abstracts are needed if sufficient information is to be provided; annotations can serve only as a guide to a limited number of components of a study.) If annotations for journal articles or dissertations would be helpful, the listing in the Journal for Research in Mathematics Education could be consulted; alternatively, ERIC's Current Index to Journals in Education is a source of annotations of articles, while Dissertation Abstracts International is the obvious source for abstracts of dissertations. For ERIC documents, Resources in Education should be checked. Once the relevancy of a document is ascertained, readers are urged to obtain the original article, dissertation, or other publication: the details contained in a full report can never be thoroughly depicted in a summary.

A categorized index is included in this compilation. Studies were categorized by pertinent topics, with cross-references. The index can serve as a key for "unlocking" the listing to meet a specific need. Readers are urged to consult it first when they begin a search through the pages which follow. The index is not exhaustive, due not only to the pressures of time and space, but also to compiler-error (for example, a relevant topic on which to categorize was simply overlooked). Note of additional studies under a particular topic should be made by the reader.

Every compiler of such a collection of references would like it to be comprehensive. However, the reader must remember that additional reports of research have appeared in books, monographs, and other publications. Also, not all reports from journals published outside the United States have been included.

Despite these limitations, it is hoped that this listing will be of aid to those searching for research reports on topics in mathematics education.

Footnotes

[1] Suydam, Marilyn N. A Categorized Listing of Research on Mathematics Education (K-12) 1964-1973. Columbus, Ohio: ERIC/SMEAC, August 1974. ERIC: ED 097 225.

[2] Suydam, Marilyn N. Compilation of Research on College Mathematics Education. Columbus, Ohio: ERIC/SMEAC, December 1975. ERIC: ED 121 624.

[3] Additional compilations of research reports include:

Suydam, Marilyn N. An Evaluation of Journal-Published Reports on Elementary School Mathematics, 1900-1965, Volumes I and II. Unpublished doctoral dissertation, The Pennsylvania State University, 1967. [Order No. 68-3563]

Suydam, Marilyn N. and Riedesel, C. Alan. Interpretative Study of Research and Development on Elementary School Mathematics, Phase I; Volume II, Compilation of Research Reports. Final Report, June 1969. ERIC: ED 030 017.

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Boettcher, William David. An Evaluation of a Compensatory Kindergarten Program. (The University of Iowa, 1974.) DAI 35A: 2078; October 1974. [kindergarten]

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Boling, Mary Ann Neaves. Some Cognitive and Affective Aspects of the Use of Hand-Held Calculators in High School Consumer Mathematics Classes. (The Louisiana State University and Agricultural and Mechanical College, 1977.) DAI 38A: 2623-2624; November 1977. [grade 12]

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Boomer, Lyman W. Concept Formation and Arithmetic Achievement Among Emotionally Disturbed Adolescents. (University of Kansas, 1973.) DAI 34A: 7609-7610; June 1974. [grades 7-9]

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Boulware, George Walter. An Analysis of the Mathematical Skill Learning Activity Packages Developed by the Interstate Distributive Education Curriculum Consortium. (University of South Carolina, 1976.) DAI 37A: 2099; October 1976. [secondary]

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Bowen, Robert Lee. An Evaluative Study of an Individualized Math Team Program. (University of Southern California, 1974.) DAI 34A: 6349; April 1974. [grade 7]

Bowick, John David. The Relationship Between an Instructional Team of Staff and Parents and Its Influence on Pupil Achievement in Kindergarten Through Third Grade. (Claremont Graduate School, 1976.) DAI 37A: 53-54; July 1976. [grades k-3]

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Bowser, John Dee. Toward a Theory of Sequencing: Study 3-7: The Specification and Evaluation of a Learning Hierarchy for Use in Teaching Selected Principles of Conditional Logic and an Exploration of Special Transfer Properties. (The Pennsylvania State University, 1976.) DAI 37A: 7092; May 1977. [grade 10]

Boyce, Elaine Mellott. Relationship of Certain Piaget-Type Tasks to Learning Modality Preference in Selected Children. (United States International University, 1974.) DAI 35A: 1490-1491; September 1974. [grade 2]

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Boylan, William Seaborn. Mainstreaming: The Effects on the Academic Achievement of Special Education and Regular Students. (California School of Professional Psychology, San Francisco, 1976.) DAI 37A:

Boyle, Michael Leo. Effects of Social Reinforcement Under Simulated Test and Non-Test Conditions on the Computational Rate and Accuracy of Children Using Either the Conventional Algorithm or the Hutchings' "Low-Stress" Algorithm. (University of Maryland, 1975.) DAI 36A: 3499; December 1975. [elementary]

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Brace, Rita Rose. Relationships of Teaching Method, Visual-Motor Functioning and Intelligence in Attainment of a Mathematical Concept. (The University of Toledo, 1976.) DAI 37A: 6358-6359; April 1977. [elementary]

Bradley, Peggy Ellen. Effects of Individual Diagnosis and Remediation in the Treatment of Children with Learning Disabilities. (University of Houston, 1978.) DAI 39B: 1932; October 1978. [age 8]

Bradley, Robert Charles. One-One Correspondence, Set Size, and Expansion Factor in A Study of Cardinal Invariance. (University of Southern California, 1976.) DAI 37B: 4641; March 1977. [ages 4, 5]

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Brannen, Pamela Parker. A Study of the Potential Role of Economics as an Applicational Area for Mathematics. (Georgia State University, 1977.) DAI 38A: 4001; January 1978. [secondary]

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Brossette, Alvin, Jr. The Relationships Among Student Ratings of Teachers, Principal Ratings of Teachers, and Student Achievement. (Western Michigan University, 1975.) DAI 36A: 7077; May 1976. [76-10,629] [grades 4-6]

Broughton, Jessica Pauline. An Investigation of Analytical-Global Cognitive Style and Classification Ability Among Elementary School Children. (The University of Texas at Austin, 1975.) DAI 36A: 2610; November 1975. [grade 4]

Broughton, Samuel Fewell, Jr. Direct and Collateral Effects of Positive Reinforcement, Response-Cost, and Mixed Contingencies for Academic Performance. (University of Georgia, 1976.) DAI 37B: 4131; February 1977. [grades 4, 5]

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Brown, Joseph Matthew. Acquisition of Conservation by Transfer from a Hierarchically Ordered Sequence: Identity, Measurement, and Real-Phenomenal Training. (Arizona State University, 1975.) DAI 36A: 6543; April 1976. [kindergarten]

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Buckley, Edward Albert. The Effects of Teaching Selected Topics in Elementary Algebra from Concrete Referents in the Form of Related Physical Science Applications in a Community College Developmental Program. (State University of New York at Albany, 1977.) DAI 38A: 2624-2625; November 1977. [community college]

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Buckley, Paul B. Two Processes for Mental Arithmetic. (The University of Wisconsin-Madison, 1974.) DAI 36B: 466; July 1975. [college]

Bunch, Austin Warren. Differences in Academic Achievement and Learner Self-Concept of Black and White Pseudo-Retarded Students Served in Classes for the Educable Mentally Retarded. (The University of Mississippi, 1976.) DAI 37A: 4274; January 1977. [ages 10-12 (EMRs)]

Bunch, Michael Brannen. The Use of Biographical Data in a Path Analytic Model of Performance in a Freshman Mathematics Course. (University of Georgia, 1976.) DAI 37B: 3577; January 1977. [college freshmen]

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Burek, Mitchell John. Examination of Causal Predominance in the Relationship Between Mathematics Achievement and Attitude Toward Mathematics. (Boston College, 1975.) DAI 36A: 2155; October 1975. [grades 6-8]

Burger, William Frederick, III. Effects of Varying Availability of Remediation on Ability to Construct Proofs in a Simple Mathematical System Presented via Computer Assisted Instruction. (The Ohio State University, 1974.) DAI 35A: 5146; February 1975. [college]

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Burnight, Lawrence William. An Evaluation of Variables Affecting Student Achievement in a Demonstration Mathematics Program. (University of Southern California, 1975.) DAI 35A: 5770; March 1975. [grade 7]

Burney, Gilbert McCollum. The Construction and Validation of an Objective Formal Reasoning Instrument. (University of Northern Colorado, 1974.) DAI 35B: 4535-4536; March 1975. [grades 9,11,13]

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Burt, Bruce Charles. The Effects of an Integrated Approach to the Teaching of Mathematics and Science on Student Achievement in Mathematics. (Columbia University, 1973.) DAI 34A: 5796-5797; March 1974. [grades 3, 5]

Burtley, Nathel. A Comparison of Teacher Characteristics and Student Achievement in Individually Guided Education (IGE) and Traditional Inner City Elementary Schools. (Michigan State University, 1974.) DAI 35A: 5712-5713; March 1975. [grades 2, 3]

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Caldwell, Janet Hudson. The Effects of Abstract and Hypothetical Factors on Word Problem Difficulty in School Mathematics. (University of Pennsylvania, 1977.) DAI 38A: 4637; February 1978. [grades 4-12]

Calhoun, Thomas Martin. Diagnosis and Remediation by Elementary Teachers Using a Manual for the Remediation of a Subtraction Algorithm. (University of Maryland, 1975.) DAI 37A: 703-704; August 1976. [grade 4]

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Cammaratta, Don Phillip. A Comparative Achievement Analysis in Regular and Adult Disadvantaged and Non-Disadvantaged Graduated Seniors in Hillsborough County, Florida. (University of South Florida, 1974.) DAI 34A: 6931; May 1974. [grades 12, adult]

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Campbell, Patricia Forsythe. The Role of Pictures in First Grade Children's Perception of Mathematical Relationships. (The Florida State University, 1976.) DAI 37A: 6323; April 1977. [grade 1]

Campbell, Ruby Guidroz. Number Theory Instruction as a Factor in the Learning of Computational Skills with Fractions. (The Louisiana State University and Agricultural and Mechanical College, 1977.) DAI 38A: 7192-7193; June 1978. [grade 5]

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Cheng, Shiu Ching. Development of a Procedure for Analysis of the Cognitive Level of Elicited Student Responses in Whole Class Instruction in Secondary School Mathematics. (University of Pittsburgh, 1976.) DAI 38A: 88; July 1977. [secondary]

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Duckett, Jane Maurine. Idio Savants: Super Specialization in Mentally Retarded Persons. (The University of Texas at Austin, 1976.) DAI 37A: 5032; February 1977. [--]

Duncan, Donald David. The Evaluation of a Teaching Strategy Which Utilizes Bloom's Mastery Learning Procedures in a College Elementary Functions Course. (University of Pittsburgh, 1976.) DAI 37A: 1370-1371; September 1976. [college]

Dunigan, Nancy Casey. Factors Related to Success and Failure of Transfer and Native Students in Mathematics Courses in the University of Southern Mississippi. (Northwestern University, 1974.) DAI 35A: 3454; December 1974. [college]

Duval, Concetta Angeli. Differential Teacher Grading Behavior Toward Female Students of Mathematics. (The University of Rochester, 1978.) DAI 39A: 2800; November 1978. [secondary]

Dyce, Byron Alphonso. The Effect of Incorporating the Mini- or Hand-Held Calculator into a Community/Junior College Basic Mathematics Course. (The University of Florida, 1977.) DAI 39A: 43; July 1978. [community/junior college]

Dyer, Patricia Woodworth. A Comparative Study of the Effectiveness of Regularly Assigned, Regularly Collected, Promptly Corrected, and Promptly Returned Homework in Community College Mathematics Classes. (Florida Atlantic University, 1976.) DAI 37B: 1716; October 1976. [community college]

Eastman, Frank. Plane Convex Figures in the Teaching of School Geometry. (Rutgers University, The State University of New Jersey, 1975.) DAI 36A: 4315-4316; January 1976. [grades k-12]

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Ebert, Joan Teresa. The Effect of Stimulus Class and the Effect of Emphasis on the Transitive Property on the Acquisition of Three Set Relations by Preschoolers. (University of South Florida, 1975.) DAI 36A: 4334-4335; January 1976. [preschool]

Eckmier, Janice Logan. An Investigation of the Use of Calculators with Low Achieving 4th Grade Students in Mathematics Achievement and Attitude. (University of Southern California, 1978.) DAI 38A: 7109; June 1978. [grade 4]

Edwards, Allan Arthur. The Development of the Mathematics Program of the Livonia Public Schools from 1944 to 1975 (Volumes I and II). (The University of Michigan, 1976.) DAI 37A: 6324; April 1977. [secondary]

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Edwards, Waylon Earl. A Study Analyzing the Effect the Instrument for the Observation of Teaching Activities (IOTA) Program Has on Student Achievement. (University of Wyoming, 1975.) DAI 36A: 7769-7770; June 1976. [grades 4-6]

Edwards, William Patrick. An Experiment in Self-Paced Individualized Instruction in a Mathematics Course for Prospective Elementary School Teachers. (George Peabody College for Teachers, 1974.) DAI 35B: 3438-3439; January 1975. [elementary preservice]

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Ehnis, Carol R. Visual and Auditory Memory Components of Reading and Arithmetic in Learning Disabled Children. (New York University, 1977.) DAI 38B: 6145-6146; June 1978. [ages 8-11]

Eichhorst, Richard Andrew. An Evaluation of Acquisition Skills of Four Year Old Children Participating in a Parent Readiness Program. (Saint Louis University, 1978.) DAI 39A: 1311; September 1978. [age 4]

Eisenhardt, William Baldwin. A Search for the Predominant Causal Sequence in the Interrelationship of Interest in Academic Subjects and Academic Achievement. (Duke University, 1976.) DAI 4225-4226; January 1977. [grades 6-11]

Eisner, Milton Philip. Mathematical Understandings and Misconceptions of Prospective Elementary School Teachers. (Michigan State University, 1975.) DAI 36A: 1446-1447; September 1975. [elementary preservice]

Elder, Donna Deems. Two-Group Theory and Outerdirectedness on a Battery of Piagetian Tasks in Mentally Retarded and Normal Children. (Virginia Commonwealth University, 1976.) DAI 37B: 3604; January 1977. [elementary, EMRs]

El-Hebshi, Hashem B. Preparation of High School Mathematics Teachers in Saudi Arabia. (Arizona State University, 1974.) DAI 35B: 4538-4539; March 1975. [secondary preservice]

Ellerbruch, Lawrence Walter. The Effects of the Placement of Rules and Concrete Models in Learning Addition and Subtraction of Fractions in Grade Four. (The University of Michigan, 1975.) DAI 36A: 6441-6442; April 1976. [grade 4]

Elliot, Charles Alan. The Effects of Instructional Designs Matched to Individual Differences in Cognitive Styles on Concept Learning in Geometry: A Trait-Treatment Interaction Study. (University of Southern California, 1975.) DAI 36A: 5940-5941; March 1976. [grade 3].

Elliott, Portia Clareon. Elementary Mathematics Teacher Training Via A Programming Language. (University of Massachusetts, 1974.) DAI 35A: 297; July 1974. [elementary preservice]

Ellis, Kenneth Leroy. The Effects of Individualized Mathematics Instruction on the Academic Achievement of Seventh-Grade Students. (The University of Oklahoma, 1976.) DAI 37A: 2512-2513; November 1976. [grade 7]

Elman, Annalee. Within- and Between-Mode Translation in Euclidean Geometry. (Stanford University, 1978.) DAI 39A: 771; August 1978. [grade 11]

Elsberry, Robert Vaughan. A Comparison of the Achievement of High School Pupils Using an Overt Answering Method Versus a Covert Answering Method When Studying Programmed Materials Involving the Graphical Addition and Subtraction of Vectors. (University of Maryland, 1974.) DAI 36A: 1377-1378; September 1975. [grades 11, 12]

Endicott, Francine Marie. Free-Choice Selection of Arithmetic Rules on a Sequence of Items After Prescribed Practice. (University of Pennsylvania, 1978.) DAI 39A: 1396; September 1978. [grades 4,9,10]

Epstein, Michael Howard. Modification of Impulsivity and Arithmetic Performance in Underachieving Children. (University of Virginia, 1975.) DAI 36A: 4398-4399; January 1976. [elementary]

Erker, Leroy Edward. Development of an Observational Instrument to Assess the Instructional Variety of the Student Teacher of Secondary Mathematics. (The Ohio State University, 1974.) DAI 35A: 924; August 1974. [secondary preservice]

Erlwanger, Stanley Herbert. Case Studies of Children's Conceptions of Mathematics. (University of Illinois at Urbana-Champaign, 1974.) DAI 35A: 7121; May 1975. [grades 4-6]

Eschenburg, William F. Computerized Prescription Mathematics in Support of Group Instruction. (Wayne State University, 1976.) DAI 37A: 7007; May 1977. [grades 9,10,12]

Esham, Maurice Elbert. An Evaluation of Measuring Activities as a Means of Teaching the Metric System to Preservice and Inservice Elementary Teachers. (Virginia Polytechnic Institute and State University, 1975.) DAI 36A: 2588; November 1975. [elementary pre- and in-service]

Eshiwani, George Sammy. The Effectiveness of Programmed Instruction, Conventional Classroom Approach, and Integrated Programmed Instruction in the Teaching of Probability to High School Students in Kenya. (Stanford University, 1975.) DAI 35A: 7606; June 1975. [secondary]

Espigh, Merrill Alvin. A Comparison of Two Guided Discovery Strategies and an Expository Strategy for Teaching College Freshmen Proof of Theorems Based upon the Field Axioms. (The Florida State University, 1974.) DAI 35B: 934-935; August 1974. [college]

Espinosa, Gilbert. An Evaluation of the Effects of Ethnic Minority and Majority Teachers on the Attitudes and Academic Achievement of Ethnic Minotiry and Majority Students. (University of Southern California, 1975.) DAI 36A: 7063; May 1976. [elementary]

Evanovich, George Peter. A Finite Mathematical Structure for Students of Secondary Trigonometry: A Study of the Effect upon Achievement of Students Utilizing the Finite Structure as an Introduction to Trigonometry. (Temple University, 1975.) DAI 36A: 3475-3476; December 1975. [secondary]

Evans, Bret Edgar. Attitude and Achievement Effects of Grouping Practices for Remedial Students in College Mathematics. (The University of Texas at Austin, 1974.) DAI 35A: 5147-5148; February 1975. [college]

Evans, Mirl Ray. An Analysis of the Effect of Title VII in Lessening Academic Disparities Among Minority and Non-Minority Students. (Illinois State University, 1976.) DAI 37A: 4011; January 1977. [elementary]

Eveland, Larry Wayne. Attitudes of Elementary School Principals and Teachers Toward Individually Prescribed Instruction. (University of Illinois at Urbana-Champaign, 1975.) DAI 36A: 2530; November 1975. [elementary]

Ewing, Patrick McCoy. A Study of the Effects of Individualizing the Pacing and Instruction of Elementary Algebra at the College Level. (The Ohio State University, 1973.) DAI 35A: 212; July 1974. [college]

Fabricant, Mona Ann. The Effect of Teaching the Volume Formula for a Rectangular Parallelpiped (v = l X w X h) on the Level of Conservation of Volume of Fifth Grade Students. (Rutgers University, The State University of New Jersey, 1974.) DAI 35A: 3572-3573; December 1974. [grade 5]

Fafard, Mary-Beth. The Effects of Instructions on Verbal Problem Solving in Learning Disabled Children. (University of Oregon, 1976.) DAI 37A: 5741-5742; March 1977. [elementary]

Fair, George Washington. The Development of Sequential Competencies and an Instructional Device for Counting Money for Adults Classified as Mentally Retarded. (University of Pittsburgh, 1974.) DAI 35A: 3550; December 1974. [adult, MRs]

Fairbairn, Donald MacAllister. Charting New Directions in Mathematical Literacy and Competency for Our Future Citizens. (George Peabody College for Teachers, 1975.) DAI 36A: 5111; February 1976. [grades k-12]

Farley, Philip Dennis. A Study of the Relationship of Teacher Behavior with Students' Achievement and Attitude in 6th Grade Mathematics Classes. (University of Northern Colorado, 1976.) DAI 37A: 2036-2037; October 1976. [teachers in grade 6]

Farrah, Aloysius Hoff. An Investigation of the Relationship of Specifically Stated Behavioral Objectives to Mathematics Achievement Within Teacher-Paced and Self-Paced Instructional Modes. (New York University, 1977.) DAI 38A: 1953-1954; October 1977. [two-year college]

Faw, Phyllis Jean. A Study of the Development of the Ability of Selected Students to Visualize the Rotation and Development of Surfaces. (The University of Oklahoma, 1977.) DAI 38A: 5414; March 1978. [grades 6,8,10]

Fayock, Paula Marie. The Relationship Between Cognitive and Non-Cognitive Measures and Employment in Mathematically Related Careers Among Female and Male Project Talent Participants. (The Pennsylvania State University, 1977.) DAI 38A: 5882-5883; April 1978. [post-secondary]

Fehlen, Joan Elizabeth. A Study of Selected Variables Associated with Mastery Learning in a College Mathematics Course for Prospective Elementary Teachers. (University of Minnesota, 1973.) DAI 34A: 4055; January 1974. [elementary preservice]

Feighery, Frank Freigh. An Experimental Study of the Undesirable Side-Effects of Criticism in Learning Situations. (University of Virginia, 1974.) DAI 35A: 5113; February 1975. [nursery school, k]

Feingold, Herbert. Aspects of Academic Achievement and Teacher Rated Behaviors. (Yeshiva University, 1976.) DAI 37A: 6398-6399; April 1977. [ages 7-14]

Feldman, Katherine Vorwerk. Instructional Factors Relating to Children's Principle Learning. (The University of Wisconsin-Madison, 1974.) DAI 35A: 5922; March 1975. [grade 5]

Fenneman, Glenn Carl. The Validity of Previous Experience, Aptitude, and Attitude Toward Mathematics as Predictors of Achievement in Freshman Mathematics at Wartburg College. (University of Northern Colorado, 1973.) DAI 34A: 7100-7101; May 1974. [college]

Fenrow, Eugene Lawrence. Elementary Teachers' Attitudes Toward Testing Related to Gains in Academic Achievement of Their Pupils. (University of Illinois at Urbana-Champaign, 1975.) DAI 36B: 2521-2522; November 1975. [teachers in grades 3-6]

Fentress, Neal Talmadge. Mathematics Faculty Development in Community-Junior Colleges. (The University of Alabama, 1973.) DAI 34A: 6409; April 1974. [community college]

Ferguson, Helen Louise. An Auto-Tutorial Audio-Visual Aid Related to Teaching Basic Mathematical Skills to Nursing Students. (Indiana University, 1976.) DAI 37B: 3869-3870; February 1977. [college]

Ferguson, Laurel Celestine Charleston. An Exploratory Investigation of Actual and Allotted Instructional Time. (University of Illinois at Urbana-Champaign, 1978.) DAI 39A: 2721; November 1978. [grade 5]

Fernandez, Richard P. A Unified Model of Abstract Thinking in Mathematics and Its Corresponding Model(s) in the "Educational Science of Cognitive Style." (Wayne State University, 1974.) DAI 35A: 7677-7678; June 1975. [grades k-12]

Fernando, Rex Winston Godfrey. A Comparative Study of the Remedial Mathematics Programs of Two-Year and Four-Year State Supported Colleges in the Metropolitan East St. Louis Area. (Saint Louis University, 1976.) DAI 37A: 7589-7590; June 1977. [college]

Fields, Teesue Herring. Use of an Unobtrusive Measure to Determine the Relationship Between Demonstrated Parent and Teacher Interest and Algebra Achievement of Ninth Grade Students. (Rutgers University, The State University of New Jersey, 1975.) DAI 36A: 777-778; August 1975. [grade 9]

Fink, Robert Stephen. The Role of Imaginative Play in Cognitive Development: An Experimental Inquiry. (State University of New York at Buffalo, 1974.) DAI 35B: 1380; September 1974. [grade k]

Fischer, Joan Keller. A Comparison of High School Senior and Candidate Performance on the Tests of General Educational Development. (Rutgers University, The State University of New Jersey (New Brunswick), 1977.) DAI 38A: 3878-3879; January 1978. [adults]

Fischman, Myrna Leah. New York City High School Students' Attitudes and Concept Learnings in Business Arithmetic When Using Electronic Calculators as Contrasted with Hand Calculation. (New York University, 1976.) DAI 37A: 774-775; August 1976. [grades 9, 10]

Fishell, Frank E. The Effect of a Math Trading Game on Achievement and Attitude in Fifth Grade Division. (Michigan State University, 1975.) DAI 36A: 3382; December 1975. [grade 5]

Fisher, Daniel Owen. Training Numeral Discrimination in First Grade. (The University of Michigan, 1975.) DAI 36A: 3505; December 1975. [grade 1]

Fisher, Guy Lee. A Construct Validation Study of the Taxonomy of Educational Objectives Utilizing the Content Area of Mathematics. (Washington State University, 1973.) DAI 34A: 4908; February 1974. [college]

Fisher, Naomi Dove. Visual Influences of Figure Orientation on Concept Formation in Geometry. (Northwestern University, 1977.) DAI 38A: 4639; February 1978. [grades 6, 9, college]

Fisher, Stanley. The Role of Illustrative Errors in Learning to Solve Problems. (City University of New York, 1977.) DAI 38A: 4042; January 1978. [mean age 16]

Fitts, Ruby Tyler. The Relationship of Kindergarten Attendance and Later School Achievement of Children. (The University of Alabama, 1975.) DAI 37A: 7617-7618; June 1977. [grade 3]

Fitzgerald, Mary Lee. The Relation Between Field-Dependence-Independence and Student Attitude and Achievement in an Open Space Elementary School. (Rutgers University, The State University of New Jersey (New Brunswick), 1977.) DAI 38A: 6518-6519; May 1978. [grades 4-5]

Fitz-Gibbon, Carol Taylor. The Role Change Intervention: An Experiment in Cross-Age Tutoring. (University of California, 1975.) DAI 36A: 6529; April 1976. [grades 4, 9]

Fitzhugh, Judith Idorenyin. The Role of Subitizing and Counting in the Development of the Young Child's Conception of Small Numbers. (Brown University, 1977.) DAI 38B: 4503; March 1978. [ages 3, 4]

Fitzmaurice, Anne Marie. The Relationship Between Mental Age, Chronological Age, and the Development of Attitudes Toward Mathematics. (The University of Connecticut, 1975.) DAI 36A: 7184; May 1976. [grades 1-6]

Flake, Janice Louise. The Use of Interactive Computer Simulations for Sensitizing Mathematics Methods Students to Questioning Behaviors. (University of Illinois at Urbana-Champaign, 1973.) DAI 34A: 7623; June 1974. [secondary preservice]

Fleming, Paul James. A Study of the Development of Conservation of Number. (University of Waterloo (Canada), 1977.) DAI 38B: 2339; November 1977. [elementary]

Fleniken, Dennis Wayne. A Longitudinal Study of Academic Achievement in Terms of Age of Entry into First Grade. (The Louisiana State University and Agricultural and Mechanical College, 1974.) DAI 36A: 238-239; July 1975. [grades 1-4]

Flexer, Roberta Joy Lichtenstein. A Comparison of Lecture and Laboratory Methods in a Mathematics Course for Prospective Elementary Teachers. (University of Colorado, 1973.) DAI 34A: 6496; April 1974. [elementary preservice]

Flinn, Timothy Lee. The Development of a Likert-Type Attitude Scale for the Measurement of Attitudes Toward Mathematics. (Texas A&M University, 1976.) DAI 37A: 1442; September 1976. [grade 13]

Flores, Mario Meza. Relationships Between Mathematical Education and Economic Production in Six Latin American Countries from 1960 to 1970. (Columbia University, 1973.) DAI 34A: 3703-3704; January 1974. [adult]

Flournoy, Lovelia Pauline. Individualized Instruction in Mathematics for First Grade Children. (University of California, Los Angeles, 1973.) DAI 34A: 5582; March 1974. [grade 1]

Flower, Terrence Frederick. Evaluation of a Program for Training Metric Inservice Teacher-Leaders. (University of Wyoming, 1977.) DAI 38A: 5375-5376; March 1978. [in-service]

Flowers, James Roy. A Comparative Study of Students in Open Space Individually Guided Education (IGE) and Traditional Schools (University of Northern Colorado, 1977.) DAI 38A: 4679-4680; February 1978. [grade 3]

Floyd, Douglas Barcroft, Jr. A Comparison of Pupil Achievement in a Team Teaching Program and a Traditional Program in the Lower Elementary School Grades in Indianola, Mississippi. (Mississippi State University, 1974.) DAI 35A: 2574; November 1974. [grades 1-3]

Floyd, James Russell. The Effect of Algebra of Sets Instruction as an Introductory Technique for Basic Concepts Comprehension and Mathematics Attitude of Algebra Students. (North Texas State University, 1976.) DAI 37A: 3478; December 1976. [college]

Fluellen, Alexander Hamilton. A Study of the Development of Negative Attitudes Toward Mathematics. (Indiana University, 1975.) DAI 36A: 2748-2749; November 1975. [grade 6]

Fontana-Durso, Barbara. The Effects of Behavior Modification on Locus of Control, Self-Concept, Reading Achievement, Math Achievement, and Behavior in Second Grade Children. (St. John's University, 1975.) DAI 36B: 4197-4198; February 1976. [grade 2]

Ford, Carolyn Brown. A Study of the Relationships Among Pupil Perception of Teacher Social Power Base Teacher Pupil Control Ideology and Teacher Concern Level in Teachers of Secondary Mathematics. (University of Houston, 1976.) DAI 37A: 5051-5052; February 1977. [secondary]

Ford, Elinor Rita. The Spectrum of Proportion Mastery Among New York Parochial School Children. (Columbia University, 1974.) DAI 35A: 3573; December 1974. [grades 4-9]

Ford, Shirley. Grouping in Mathematics: Effects on Achievement and Learning Environment. (Yeshiva University, 1974.) DAI 35A: 3573; December 1974. [grades 4-9]

Fordham, Dennis Lee. An Investigation of Third, Fourth, and Fifth Graders' Knowledge of the Meanings of Selected Symbols Associated with Multiplication of Whole Numbers. (University of Georgia, 1974.) DAI 35A: 6361; April 1975. [grades 3-5]

Forester, Donald Lee. A Comparison of the Validities of an Item-Sampling Procedure and a Traditional Item-Allocation Method in the Construction of Achievement Examinations in Intermediate Algebra for Community College Students. (University of Southern California, 1976.) DAI 37A: 1466; September 1976. [community college]

Forsberg, Lois Anne. The Role of Field Independence in the Conservation of Mass, Weight, and Volume. (The University of Manitoba, 1973.) DAI 34B: 5709; May 1974. [grades 1,3,5]

Forseth, Sonia Daleki. The Effects of Art Activities on Attitudes and Achievement in Fourth Grade Children Pertinent to the Learning of Mathematics and Art. (University of Minnesota, 1976.) DAI 37A: 7590; June 1977. [grade 4]

Forsythe, Hester Odene. A Study of the Problem of Teaching the Concept of Integers as a Directed Distance in Grades Three Through Five and Its Relationship to Level of Left-Right Conceptualization, Age Level and Sex. (University of Houston, 1974.) DAI 35A: 7028; May 1975. [grades 3-5]

Foshay, Wellesley Robinson. The Multivariate Prediction of Individual Differences in Academic Achievement: A Model-Governed Study. (Indiana University, 1977.) DAI 38A: 4681; February 1978. [college]

Fournier, Barbara. Overconservation in Very Young Children. (Boston University School of Education, 1976.) DAI 37A: 4981-4982; February 1977. [ages 3, 4]

Fowler, Annelle Funderburg. A Study of Fractional Calculus: Its Definitions and Properties. (East Texas State University, 1975.) DAI 36B: 1254; September 1975. [college]

Fowler, Evelyn Cherry. A Study Interrelating Situational Problem Solving, Mathematical Model Building, and Divergent Thinking Among Gifted Secondary Mathematics Students. (Georgia State University-College of Education, 1978.) DAI 39A: 2111-2112; October 1978. [secondary]

Fowler, Patrick Crittendon. Multivariate Assessments of the Effects of Early Father-Absence on the Educational Preparedness and Academic Achievement of Black Children. (University of Virginia, 1977.) DAI 38A: 4043; January 1978. [grades k-2]

Fox, Deborah Frances. A Comparison of Gains in Cognitive Abilities and Affective Behaviors of Disadvantaged Black Students in Open and Traditional Middle School Programs. (New York University, 1975.) DAI 37A: 42; July 1976. [grade 6]

Fox, Lynn Hussey. Facilitating the Development of Mathematical Talent in Young Women. (The Johns Hopkins University, 1974.) DAI 35B: 3553; January 1975. [grade 7]

Frand, Jason Lewis. Mathematical Understanding and Mathematical Proficiency: An Analysis of Alternative Goals and Programs in Mathematics Education. (University of California, Los Angeles, 1976.) DAI 37A: 2695-2696; November 1976. [grades k, 4-12]

Frayman, Bruce John. The Effect of Object Shape and Mode of Presentation of Judgments of Apparent Volume. (University of Notre Dame, 1976.) DAI 37B: 3110; December 1976. [--]

Frazer, Colleen Doane. Abilities of College Students to Involve Symmetry of Equality with Applications of Mathematical Generalizations. (The Florida State University, 1976.) DAI 37A: 4192-4193; January 1977. [college]

Frazier, Freddie Louis. A Problem of the Effects of Teaching Mathematics via Individualized Instruction, Team Teaching, and the Traditional Method to College Freshmen Liberal Arts Majors. (University of Houston, 1975.) DAI 36A: 2588-2589; November 1975. [college]

Freda, James Anthony. Measures of Socioeconomic Complexities of California School Communities as Related to Student Achievement. (United States International University, 1976.) DAI 37A: 103; July 1976. [grades 1,2,3,6,12]

Freeman, Claire Elizabeth. An Investigation of the Relationship of Intelligence, Aptitudes, Mathematics and Natural Science Grades to Achievement in High School Chemistry. (The University of North Carolina at Chapel Hill, 1975.) DAI 36A: 3544-3545; December 1975. [grade 11]

Freitag, Richard Alan. Case Studies of a Teaching Model: Teaching Through Games. (State University of New York at Buffalo, 1974.) DAI 35A: 98; July 1974. [secondary]

Frew, Thomas Wesley. The Utilization of Odor Preferences as Reinforcers for Academic Tasks with Young Learning Disabled Children. (The Ohio State University, 1975.) DAI 36A: 3564; December 1975. [elementary]

Friedman, Peter Cutler. The Effects of Teacher vs. Pupil Applied Reinforcement of Arithmetic Response Rates in Upper Elementary Behavior Disordered and Regular Class Children. (The University of New Mexico, 1976.) DAI 38A: 725; August 1977. [elementary]

Friesen, Charles Donovan. The Effect of Exploratory and Review Homework Exercises upon Achievement, Retention, and Attitude in a First-Year Algebra Course. (The University of Nebraska-Lincoln, 1975.) DAI 36A: 6527; April 1976. [grade 9]

Friesen, Vernon Eugene. The Relationship of Affective and Cognitive Variables to Achievement and Attitude Under Lecture-Discussion and Computer-Assisted Instruction. (Kansas State University, 1976.) DAI 37A: 4095; January 1977. [elementary preservice]

Frohwein, Maxine Schuster. Effects of Differential Teacher Feedback Upon Elementary Pupil Performance on Role Tasks. (Columbia University, 1974.) DAI 35A: 3515-3516; December 1974. [grade 4]

Frost, Dorothy R. Whitford. A Study to Determine the Effects of a Counselor-Student-Teacher-Parent Contractual Agreement upon the Behavior and Achievement of Middle School Problem Children. (University of the Pacific, 1973.) DAI 34A: 6973-6974; May 1974. [middle school]

Frydman, Jane. The Effects of Four Feedback and Contingent Free Time Conditions on the Arithmetic Accuracy of Fifth and Sixth Grade Children. (University of Kansas, 1973.) DAI 34B: 3527; January 1974. [grades 5, 6]

Fryman, Johnnie Gaylord. Application of the Rasch Simple Logistic Model to a Mathematics Placement Examination. (University of Kentucky, 1976.) DAI 37A: 5626; March 1977. [college]

Fulmer, James Robert. An Analysis of an Innovative Mathematics Program for Teaching Low Achievers in the Junior High School. (University of Arkansas, 1978.) DAI 39A: 3432; December 1978. [grades 7, 8]

Fuys, David Joseph. Conventional and Experimental Predictors of Seventh Graders' Achievement in a Unified Modern Mathematics Program. (Columbia University, 1974.) DAI 35A: 5677; March 1975. [grade 7]

Gabbard, Carl Peter. The Effects of Physical Exertion on Immediate Classroom Mental Performance of Second-Grade Elementary School Children. (North Texas State University, 1977.) DAI 38A: 7209; June 1978. [grade 2]

Gage, Rita Lena. A Study of the Effects of Positive and Negative Instances on the Acquisition of Selected Algebra Concepts as a Function of Cognitive Style. (University of Houston, 1976.) DAI 37A: 4929-4930; February 1977. [grade 9]

Gailey, Billie Stiles. A Foundational Analysis of Project Head Start, 1964-1975. (University of Pittsburgh, 1976.) DAI 38A: 160; July 1977. [preschool]

Gaines, James Young. A Study of the Relationship of Selected Teacher Verbal Behaviors and Student Attitude of Title I Children. (Fordham University, 1977.) DAI 38A: 3833; January 1978. [grades 2-4]

Gajar, Anna Helen. Characteristics and Classification of Educable Mentally Retarded Learning Disabled and Emotionally Disturbed Students. (University of Virginia, 1977.) DAI 38A: 4090-4091; January 1978. [elementary, EMRs]

Gallery, Michael Edward. Teaching Calculator Use and Checking Account Skills to the Mildly Handicapped. (Utah State University, 1978.) DAI 39A: 2866; November 1978. [secondary]

Gallicchio, Angela. The Effects of Brainstorming in Small Group Mathematics Classes. (University of Maryland, 1976.) DAI 38A: 1954; October 1977. [preservice elementary]

Gallo, Dennis Paul. Problem Solving: A Test of Two Aspects. (State University of New York at Stony Brook, 1974.) DAI 35B: 4649-4650; March 1975. [grade 6]

Galloway, Patricia Winner. Achievement and Attitude of Pupils Toward Initial Fractional Number Concept at Various Ages from Six Through Ten Years and of Decimals at Ages Eight, Nine and Ten. (The University of Michigan, 1975.) DAI 36A: 4242-4243; January 1976. [grades 1-5]

Garbe, Douglas Gordon. Indians and Non-Indians of the Southwestern United States: Comparison of Concepts for Selected Mathematics Terms. (The University of Texas at Austin, 1973.) DAI 34A: 5477; March 1974. [grade 8]

Garber, Stephen William. The Effect of Time Limits on Academic Performance. (Georgia State University-School of Arts and Sciences, 1974.) DAI 36B: 939; August 1975. [elementary, EMRs]

Gardella, Francis J. An Investigation into the Learning of Transformational Geometry in Grade Two. (Rutgers University, The State University of New Jersey, 1974.) DAI 36A: 682-683; August 1975. [grade 2]

Gargiulo, Richard Michael. The Effect of Labels Only and Labels with Instruction on the Concept Attainment of Educable Mentally Retarded and Normally Developing Boys of School Age. (The University of Wisconsin, 1974.) DAI 35A: 2767; November 1974. [elementary, EMRs]

Gascon, Jean. Computerized Protocol Analysis of the Behavior of Children on a Weight Seriation Task. (The University of Michigan, 1976.) DAI 37B: 3046-3047; December 1976. [ages 5-12, adults]

Gast, David L. A Study of Transfer in the Context of Pre-Arithmetic Behaviors with Preschool Children. (University of Kansas, 1975.) DAI 37B: 491; July 1976. [preschool]

Gast, Richard Henry. Game Theory for the Secondary School Mathematics Curriculum. (Columbia University Teachers College, 1977.) DAI 38A: 4639; February 1978. [grades 8,10,12]

Gates, James David. Conferences of the National Council of Teachers of Mathematics: Perceptions of Selected Professional Personnel. (The George Washington University, 1975.) DAI 36A: 2749; November 1975. [in-service]

Gates, Jerry Delmar. The Interaction of Four Number Conservation Categories with Training and Conservation Criteria. (The University of Nebraska-Lincoln, 1976.) DAI 37A: 2739; November 1976. [age 5]

Gates, Larry James. Children's Understanding of the Logical Quantifiers "All" and "Some." (George Peabody College for Teachers, 1974.) DAI 35B: 3555; January 1975. [ages 8-11]

Gates, Mary Jane. Activity Learning as an Antidote for Attitude Problems: The Treatment of Geometry in a CUPM Level I Mathematics Course for Elementary Education Majors. (The Florida State University, 1976.) DAI 37A: 4193; January 1977. [preservice elementary]

Gathright, Carolyn Hicks. An Investigation of Children's Abilities to Reason with Conditional Statements. (University of Houston, 1976.) DAI 37A: 4930; February 1977. [grades 4-6]

Gaylord, Carolyn Reane. The Influence of Reward Type and Working Condition on the Performance and Persistence of Children from Two School Settings. (The University of Michigan, 1976.) DAI 37A: 3517; December 1976. [ages 7-11]

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Griffith, Thomas Edward. A Study of the Effectiveness of California Senate Bill 604 Differentiated Staffing Patterns Act on Student Achievement. (Brigham Young University, 1976.) DAI 37A: 732; August 1976. [grades 1-6]

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Grunau, Ruth Veronica Elizabeth. Effects of Elaborative Prompt Condition and Developmental Level on Performance of Addition Problems by Kindergarten Children. (The University of British Columbia, Canada, 1975.) DAI 36A: 4349; January 1976. [grade k]

Guerin, Robert Oliver. A Quasi-Simplex and Alpha Factor Analysis of Piaget Based Logical Operations. (State University of New York at Buffalo, 1974.) DAI 35A: 6512; April 1975. [grades k-12]

Guernsey, Mildred Burgess. Attitudes Toward Mathematics of Selected Southern California Community College Elementary Algebra Students Using Audio-Tutorial and Lecture Methods of Instruction. (Brigham Young University, 1975.) DAI 36B: 1255; September 1975. [community college]

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Guthrie, Edgar Raymond. Effects of an Advance Organizer on Three Strategies Used in Teaching a Disjunctive Concept. (Texas A&M University, 1978.) DAI 39A: 2028-2029; October 1978. [college]

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Hahn, Gerry E. A Comparison of the Academic Performance of Learning Disabled Children When Their Parents Participated in a Structured or Informal Parent Program. (University of Kansas, 1974.) DAI 36A: 818; August 1975. [elementary]

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Hale, Guy Junior. Selected Background Factors of Technical Mathematics Teachers in Public Junior and Community Colleges. (Indiana University, 1974.) DAI 35A: 5855; March 1975. [community college]

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Hall, John Edward. A Study of the Use of a Modified Writing Style in Teaching Calculus to Educationally Disadvantaged Freshmen. (Indiana University, 1974.) DAI 35A: 6363-6364; April 1975. [college]

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Hall, William Dudley. A Study of the Relationship Between Estimation and Mathematical Problem Solving Among Fifth Grade Students. (University of Illinois at Urbana-Champaign, 1976.) DAI 37A: 6324-6325; April 1977. [grade 5]

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Ham, Wayne Albert. Effects of a Volunteer Tutor Program on Self-Esteem and Basic Skills Achievement in the Primary Grades of a Southern Rural School System. (The University of Florida, 1977.) DAI 38A: 6497-6498; May 1978. [grades 1-3]

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Harris, James Edward. The Relationship of the Mobility of Black and Chicano Students to Achievement in Reading and Arithmetic in Selected Detroit Elementary Schools. (The University of Michigan, 1973.) DAI 34A: 4620-4621; February 1974. [grade 6]

Harris, Ruby Taylor. An Evaluation of Computer Assisted Instruction in Mathematics Using Test-and-Practice Method for Third and Sixth Grade Students. (United States International University, 1976.) DAI 38B: 1245-1246; September 1977. [grades 3, 6]

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Harrison, Guy Troy. A Comparison of the Academic Achievements of Seventh Grade Students in the Semester Unit Plan with Those in the Quarter Unit Plan. (North Texas State University, 1977.) DAI 38A: 1149; September 1977. [grade 7]

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Hartman, Janet Digges. A Study of the Effects of Supplementary Materials on the Attitudes and Perceptions of Students Enrolled in "Mathematics for Elementary School Teachers." (The University of Florida, 1974.) DAI 36A: 1449-1450; September 1975. [elementary]

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Hatfield, Steven Hunter. Preparation of the Mathematics Teachers in the Public Secondary Schools of West Virginia. (West Virginia University, 1974.) DAI 35A: 7610; June 1975. [secondary preservice]

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Headrick, Mark Lee. Attitudes of Vocational and Technical Teachers in Missouri Toward Metrication. (University of Missouri-Columbia, 1975.) DAI 37A: 2029-2030; October 1976. [secondary]

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Heller, Phillip John. A Drill-and-Practice PLATO Program for Teaching Formal Integration. (University of Illinois at Urbana-Champaign, 1975.) DAI 36A: 5897; March 1976. [college]

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McGill, Carol Ann. A Study of the Needs of Teachers Involved in the Transitional Program from English to Metric System in the Elementary Schools. (University of Houston, 1974.) DAI 35A: 7172; May 1975. [elementary in-service]

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McGlone, Virginia Elizabeth. Children's Understanding of the Geometric Transformation of Rotation about a Point. (Columbia University, 1974.) DAI 35A: 943; August 1974. [ages 6-8]

McGregor, John David. A Comparison of White's and Walbesser's Learning Hierarchy Validation Techniques Using the Addition of Fractions. (George Peabody College for Teachers, 1976.) DAI 37A: 2039-2040; October 1976. [grade 4]

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McLeod, Terry Malcolm. The Relationship of Visuo-Spatial Skills and Verbal Ability to Learning Disabilities in Mathematics. (The University of Alabama, 1975.) DAI 36A: 7991-7992; June 1976. [age 9]

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McMaster, Mary Jane. Differential Performance of Fourth- Through Sixth-Grade Students in Solving Open Multiplication and Division Sentences. (The University of Wisconsin-Madison, 1975.) DAI 36A: 7853; June 1976. [grades 4-6]

McMaster, Melvin Knowles. An Analysis of the Current Status of Mathematics Teaching in a Selected Suburban Community as Determined by an Opinionnaire Submitted to a Sampling of Parents, Pupils and Staff. (Temple University, 1974.) DAI 37A: 45; July 1976. [grades 6,8,10,12]

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Medley, Raymond H., Jr. A Comparison of a Mixed-Media Approach and a Programmed Approach to the Teaching of a Remedial Algebra Course at the College Level. (George Peabody College for Teachers, 1975.) DAI 36A: 4997-4998; February 1976. [college]

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Mocciola, Michael Ralph. Probability and Statistics in the Elementary School: Survey and Analysis of Teacher and Curriculum Status. (Columbia University, 1975.) DAI 36B: 277-278; July 1975. [grades k-6]

Moffett, Noah Wayne. A Cross Sectional Study of Piaget's Proposed Sequential Development of Distance Conservation and the Spatial Coordinate System. (The University of Alabama, 1977.) DAI 39A: 198; July 1978. [ages 6-12]

Mohammad, Haji. The Development of an Affine Geometry Program for Secondary School Students. (Kent State University, 1977.) DAI 38A: 5974-5975; April 1978. [secondary]

Molina, Angela Lorel. An Analysis of the Effectiveness of Presenting a Topic in Technical Algebra Using Three Different Instructional Methods to Students with Three Differing Cognitive Styles. (University of Houston, 1976.) DAI 37A: 4936-4937; February 1977. [college]

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Moliver, Martin. A Program in Probability for Non-College Bound Students in the Tenth Grade General Mathematics. (Temple University, 1977.) DAI 38A: 1955; October 1977. [grade 10]

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Montgomery, Robert Lee. An Application of the Analog Computer to Secondary Mathematics Instruction. (University of Maryland, 1975.) DAI 36A: 6528; April 1976. [secondary]

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INDEX: MATHEMATICAL TOPIC

This index is designed to help the user locate references to designated mathematical topics. It should be noted that the cross-referencing is not exhaustive: there may be other references which could be pertinent, but have been omitted due to oversight.

On the next four pages, a summary of the categories is given, followed by the categorization. Two abbreviations are used in the list, to denote the type of document and the level of students in the investigation. A indicates "article"; these are cited in lists 1 or 2. D indicates "dissertation"; these are cited in list 3. Finally, E (in the left column) indicates a document included in ERIC; these are cited in list 4.

The letter E in the second column indicates that the research was conducted at the elementary school level (K-6); S indicates secondary school level (7-12); C indicates college or other post-secondary school level. E/S indicates a study in which the sample was at both levels; e.g., grades 5-8.

CATEGORIES AND CODING FOR MATHEMATICAL TOPIC

a. Planning for instruction

1. Historical developments
2. Nature, values, and uses of mathematics
    a. Program goals
3. Organizational patterns (departmentalized; multi-graded; self-contained; non-graded; team teaching, open-space; class size, mainstreaming)
4. Teaching approaches (modern, traditional; expository, discovery; rote, meaning; incidental, systematic; activity, mathematics laboratory; aptitude-treatment interaction; team learning, independent study; lecture versus other)
5. Instructional procedures
    a. Drill and practice
    b. Problem solving
    c. Estimation
    d. Mental computation
    e. Homework and supervised study
    f. Review
    g. Checking
    h. Writing and reading numerals
    i. Specification of objectives
6. Attitude, self-concept, and climate
7. International comparisons

b. Content: sequencing and structuring

1. Pre-first grade concepts
2. Readiness
3. Content organization and inclusion (course development)
4. Quantitative understanding
5. Grade placement
6. Time allotment
7. Language (role of words, symbols)

c. Content: methods of instruction

1. Counting, place value
2. Number properties and relations
3. Whole numbers
    a. Addition
    b. Subtraction
    c. Multiplication
    d. Division
4. Fractions
    a. Addition
    b. Subtraction
    c. Multiplication
    d. Division

5. Decimals
6. Percentage
7. Ratio and proportion
8. Measurement
9. Negative numbers (integers)
10. Algebra in elementary school
11. Geometry in elementary school
12. Sets
13. Logic and proofs
    a. Flowcharts
14. The decimal numeration system
    a. Rational number system
    b. Real number system
    c. Complex numbers
15. Other numeration systems
16. Probability and statistics
17. Functions; graphing; matrices
18. Topology
19. (Unassigned)
20. Basic arithmetic procedures in secondary school
21. General mathematics course (secondary school)
22. Algebra course (secondary school)
23. Geometry course (secondary school)
24. Trigonometry course (secondary school)
25. Calculus course (secondary school)
26. Other courses in secondary school
27. Career education
28. Other topics
29. Pre-calculus course (college)
30. College algebra
31. College intermediate algebra
32. College trigonometry
33. College calculus
34. College descriptive geometry
35. College analytic geometry
36. College linear algebra
37. Technical mathematics
38. Occupational, vocational-technical mathematics (post-secondary)
39. Business mathematics (college)
40. College remedial mathematics
41. Adult basic education
42. General education
43. Consumer mathematics
44. Other college courses

d. Materials

1. Textbooks
2. Workbooks, other printed materials
3. Manipulative devices, games
4. Audio-visual devices
    a. Calculators
5. Programmed instruction
    a. Audio-tutorial, auto-tutorial programs

6. Computer-aided instruction
   a. Tutorial
   b. Non-tutorial
7. Readability and vocabulary
8. Quantitative concepts in other curricular areas
9. Developmental projects (SMSG, etc.)

e. Individual differences

1. Diagnosis
   a. Error analysis
   b. Diagnostic procedures
2. Remediation
   a. Low achiever, underachiever
   b. Slow learner
   c. Mentally retarded
   d. Tutoring
   e. Pacing options
3. Enrichment
   a. Overachiever
   b. Acceleration
4. Grouping procedures (ability, homogeneous, individualized flexible)
5. Physical, psychological, and/or social characteristics (including anxiety)
6. Sex differences
7. Socioeconomic differences
8. Learning disabilities

f. Evaluating progress

1. Testing
   a. Analysis and validation of tests
   b. Status testing
2. Achievevent evaluation
   a. Related to age
   b. Related to intelligence (including gifted)
   c. Related to prediction
3. Effect of parental knowledge
4. Effect of teacher background and characteristics

g. Learning theory

1. Transfer
2. Retention (including mastery learning)
3. Generalization
4. Thought processes (categorization, organization, creative and critical thinking, concept formation, hierarchies)
5. Motivation
6. Reinforcement
   a. Knowledge of results
   b. Other procedures

7. Piagetian concepts
    a. Conservation
    b. Transitivity
    c. Classification and seriation
    d. Other

t. Teacher education

1. Pre-service
    a. Competency levels
    b. Preparation procedures
    c. Attitudes
    d. Characteristics
2. In-service
    a. Competency levels
    b. In-service procedures
    c. Attitudes
    d. Characteristics

r. References

1. Bibliographical lists
2. Summaries and reviews

Historical developments (a-1)

A	E	Eisenberg, 1976
	S	Fraser and Koop, 1978
	S	Koop and Fraser, 1978
	C	McBride and Rollins, 1977
D	S	Allen, H. D., 1977
	S	Edwards, A., 1977
	S	Gast, 1978
	-	Hopkins, 1977
	S	Kahn, 1974
	C	Leef, 1976
	S	Lowman, 1977
	-	Majumdar, 1977
	E	Mangru, 1977
	E/S	Mulino-Betancourt, 1975
	E/S	Nelson, 1978
	E/S	Paulos, 1977
	E	Roderick, 1974
	-	Rodgers, 1976
	-	Van Egmond, 1977
	-	Wang, 1977
	S	Zucker, 1978

Nature, value, and uses of mathematics (a-2)

A	C	Gussett, 1978
	E/S	Hershkowitz et al., 1975
	E	Miller and Meltzer, 1978
	C	Shannon and Sleet, 1978
D	C	Bottorff, 1974
	S	Cohen, P., 1978
	E/S	Fairbairn, 1976
	C	Johnson, R. S., 1974
	E/S	Johnson, P., 1978
	C	Kalish, 1974
	S	Kastner, 1976
	C	LeDoux, 1974
	C	Mcanelly, 1978
	E	Roecks, 1978
	-	Taylor, C. R., 1978

Program goals (a-2a)

A	C	Colen, 1975
	E/S	Frand, 1976

Organizational patterns (a-3)

A	E/S	Armstrong, 1977
	E	Arlin, 1976
	E	Arzi and Amir, 1977
	E	Budoff and Gottlieb, 1976
	E	Eshel and Klein, 1978
	C	Forman and McKinney, 1978
	C	Gemignani, 1977
	E/S	Irwin et al., 1978
	E/S	Jamison et al., 1974
	E	Kerlin and Latham, 1977
	C	Laosa, 1976
	E	Leinhardt, 1977
	E	Lukasevich and Gray, 1978
	E	Meyers et al., 1978
	E	Miller and Sabatino, 1978
	E	O'Leary and Schneider, 1977
	E	Ritter, 1978
	E	Schrankler, 1976
	E	Schunke, 1978
	E	Seidner et al., 1978
	E	Strang et al., 1978
	C	Strong, 1974
	E	Weinstein, 1977
	E	Weissglass, 1977
	E	Wright, 1975
D	C	Abel, 1978
	E	Adair, 1978
	S	Bagley, 1977
	E	Bernstein, 1974
	S	Beul, 1974
	S	Bowen, 1974
	S	Brophy, 1977
	S	Carlen, 1977
	E/S	Colvin, 1977
	S	Crockett, 1978
	E	Daniels, 1975
	S	Davis, A. L., 1975
	E	Dempsey, 1976
	E	DeWitt, 1977
	E	Dianna, 1978
	E	Fitzgerald, 1978
	E	Flowers, 1978
	E	Fox, 1976
	E	Gaylord, 1976
	S	Gianulis, 1974
	S	Gordon, 1975
	E	Griffith, 1976
	E	Grimshaw, 1978
	E	Grogan, 1977
	S	Harrison, 1977
	E	Haug, 1975
	E	Henn, 1975

Organizational patterns (cont.)

D	E/S	Holifield, 1975
	S	Johnson, W., 1978
	E	Jones, 1978
	E	Jones, M. L., 1976
	S	Jones, W., 1974
	S	Jorgensen, 1974
	E	Keadle, 1976
	S	Koos, 1978
	E	Lawson, 1977
	C	LeCuyer, 1977
	E	Lukasevich, 1977
	S	Matty, 1978
	E	McCabe, 1978
	E	McDermott, 1978
	E/S	McFarland, 1978
	E	Melvin, 1977
	E	Moore, 1975
	E	Moritt, 1977
	E	Morton, 1977
	E	Myers, 1976
	E	Nicholson, 1978
	E	Ohrenberg, 1977
	E	Ongley, 1975
	C	Parker, 1977
	E	Pate, 1977
	E	Platter, 1976
	E	Price, D., 1978
	E	Randle, 1978
	E	Rich, 1977
	S	Ross, J., 1977
	S	Routt, 1976
	E	Rozar, 1977
	S	Ryan, 1974
	S	Sardone, 1976
	S	Schmeling, 1976
	C	Schmidt, 1974
	S	Sigmund, 1974
	E	Sigurdson, 1976
	E	Smith, V., 1977
	E	Spann, 1977
	E	Stowers, 1975
	E	Trotta, 1975
	E	Turkel, 1977
	C	Vance, 1977
	S	Walls, 1977
	E	Washburn, 1977
	E	Williams, 1974
	E	Wintergalen, 1977
	S	Zucco, 1975
E	E/S	Begle et al., 1975b
	E	Brown and Wunderlich, 1976

Organizational patterns (cont.)

E	E	Burnham, 1973
	C	Donovan, 1977
	E/S	Evans, 1973
	E	MacKay, 1975
	S	Starkey and Klusedorf, 1977
	S	Stephens, 1973

Teaching approaches (a-4)

A	E	Arnold, 1976
	C	Austin, 1974
	E	Becker, 1977
	S	Becker and Young, 1978
	E/C	Behr and Eastman, 1978
	E	Blaney et al., 1977
	C	Boersma and Evans, 1976
	C	Brechting and Hirsch, 1977
	S	Breuning, 1978
	E	Claxton and Acres, 1978
	C	Corn and Behr, 1975
	E	Cronbach and Webb, 1975
	C	Dahlke, 1974
	C	Duby, 1978
	S	Eastman and Behr, 1977
	S	Eastman and Carry, 1975
	E	Eastman and Salhab, 1978
	E	Fesler et al., 1976
	S	Fitzgerald, 1978
	E	Flexer, 1978
	S	Gabor, 1975
	E	Garigliano, 1975
	E/S	Griggs, 1976
	S	Hancock, 1975
	C	Harris and Liguori, 1974
	C	Hassett and Thompson, 1978
	S	Hirsch, 1977
	E	James and Knief, 1978
	E	Jenkins and Mayhall, 1976
	E	Johnson et al., 1978
	E	Keim-Abbott and Abbott, 1977
	C	Kloppenstein, 1977
	S	Kuhfittig, 1974
	S	Kulm, 1977
	E	Lerch, 1974
	C	Lucas, 1974
	C	Macnab et al., 1977
	C	Mayer, 1977, 1978
	C	Mayer et al., 1975
	E	McGinty, 1977
	E	McLeod et al., 1978
	C	Miller, 1974

Teaching approaches (a-4)

A	E	Moers and Harris, 1978
	E	Moore and Parr, 1978
	E/S	O'Brien and Shapiro, 1977
	C	Packer and Bain, 1978
	C	Pascarella, 1977, 1978
	E	Price et al., 1977
	S	Samph and Campbell, 1974
	E	Sawada and Jarman, 1978
	C	Schoen, 1977
	S	Scott, 1977
	C	Shaughnessy, 1977
	S	Starr, 1977
	C	Struik and Flexer, 1977
	C	Sullivan, 1976
	E	Swain and Barik, 1978
	E	Talmage and Hart, 1977
	E	Trown, 1978
	E	Walker and Schaffarzick, 1977
	S	Walton et al., 1977
	S	Webb and Carry, 1975
	C	Wiggins, 1977
	C	Williams and Mick, 1976
D	S	Abkemeier, 1975
	S	Acquaviva, V. M., 1974
	E	Adamson, 1976
	C	Allen, 1975
	S	Andreozzi, 1975
	E	Armstrong, 1974
	E	Arnold, 1976
	E	Azzi, 1978
	E	Babb, 1975
	C	Bailey, 1975
	C	Baldwin, 1977
	S	Baltz, 1977
	E	Barr, 1976
	S	Bellamy, 1976
	S	Bennett, J. P., 1976
	C	Billie, 1976
	S	Blackwood, 1975
	E	Boehmer, 1978
	S	Bowen, 1974
	E	Boylan, 1976
	C	Boylan, 1978
	E	Branch, 1974
	S	Briggs, J., 1978
	E	Broughton, 1975
	S	Burke, 1974
	S	Burns, 1974
	E	Burrows, 1974
	C	Caponecchi, 1974
	C	Carr, 1977

Teaching approaches (cont.)

D	E	Carrier, 1977
	S	Casner, 1978
	E	Cathcart, 1975
	C	Chen, 1975
	C	Clark, 1974
	S	Cohen, C., 1978
	C	Copes, 1976
	S	Corbin, 1974
	E	Crolley, 1976
	E	Culp, 1974
	C	Curl, 1976
	C	Dann, 1976
	C	Daughdrill, 1978
	S	Davison, 1974
	C	DeBoer, 1974
	S	Dejarnette-Ondrus, 1978
	S	Dietz, 1975
	C	Duncan, 1976
	E	Edwards, 1975
	S	Ellis, 1976
	S	Eshiwani, 1975
	C	Espigh, 1974
	C	Ewing, 1974
	E	Flournoy, 1974
	E	Floyd, 1974
	S	Ford, S., 1974
	C	Frazier, 1975
	E	Friesen, 1977
	S	Geimer, 1978
	E	Gilbert, D., 1976
	S	Glaman, 1975
	C	Godfrey, 1975
	S	Goldberg, 1976
	S	Golden, 1977
	C	Golliday, 1975
	C	Goodrich, 1976
	C	Guernsey, 1975
	S	Hartje, 1975
	E	Hatfield, 1977
	S	Herot, 1976
	C	Herring, 1976
	S	Hicks, 1975
	E	Hollingsworth, 1974
	E	Horak, 1978
	E	Huff, 1978
	S	Ireland, 1974
	E	James, 1974
	S	Jellema, 1976
	E/S	Johnson, K., 1977
	S	Jolly, 1978
	E	Jones, T. L., 1976
	S	Jordy, 1976
	E	Joyner, V., 1974

Teaching approaches (conc.)

D	E	Kaiser, 1974
	C	Keating, 1978
	S	Kelley, 1974
	C	Kerns, 1977
	E	King, V. C. R., 1976
	E	Kleinhaus, 1977
	S	Koback, 1975
	E	Kontogianes, 1974
	E	Kujawa, 1976
	S	Kurtz, 1977
	E	Lake, 1974
	C	Lang, 1974
	S	LaPlaca, 1974
	C	Leggette, 1974
	E	Leviton, 1974
	S	Lewis, 1974
	S	Lewis, 1976
	C	Liguori, 1974
	E	Lober, 1974
	C	Locksley, 1977
	S	London, 1978
	C	Loomer, 1976
	E	Mages, 1976
	S	Marine, 1977
	C	Marlin, 1975
	E	Mathies, 1976
	E	Mayfield, 1974
	S	McClintock, 1975
	C	McCool, 1974
	C	McCreary, 1976
	C	Meyer, J. R., 1976
	C	Miller, 1975
	C	Molina, A., 1977
	S	Monier, 1977
	C	Montano Midence, 1974
	C	Moore, 1976
	S	Morse, 1977
	S	Moxness, 1975
	S	Nanney, 1974
	C	Nixon, 1976
	C	Olsen, J., 1974
	C	Olson, F., 1977
	E	Olson, S., 1977
	S	Olson, 1978
	C	Partin, 1974
	E	Pigford, 1975
	S	Pribnow, 1978
	C	Reese, 1977
	C	Rice, 1974
	C	Richardson, 1977
	E	Romeo, 1975
	E	Romine, 1978

Teaching approaches (cont.)

D	S	Salhab, 1974
	E	Salviani, 1978
	S	Sawyer, 1974
	E	Schneider, 1977
	E	Schultz, 1976
	C	Schwartz, 1977
	E	Scrofani, 1978
	S	Sears, 1978
	C	Shaughnessy, 1977
	E	Sherry, 1975
	E	Simpson, 1974
	C	Simpson, 1975
	C	Slate, 1975
	E	Smith, E., 1974
	S	Smith, J., 1974
	C	Smith, J. E., 1976
	C	Smith, M. L. A., 1976
	E	Snyder, 1974
	S	Snyder, 1976
	S	Steadman, 1976
	E/S	Stewart, J., 1978
	C	Stotts, 1977
	S	Stratigos, 1976
	E	Swan, 1978
	E	Tanguma, 1978
	S	Tapp, 1978
	E	Tate, 1978
	C	Taylor, 1977
	E	Thomas, 1974
	C	Thomas, P., 1978
	E	Thornell, 1975
	S	Threadgill, 1977
	E	Tilson, 1978
	S	Tines, 1974
	E	Tobin, 1974
	C	Trudnak, 1975
	C	Ussery, 1974
	C	Visor, 1976
	E	Wagoner, 1975
	S	Wajeeh, 1976
	E	Walker, 1977
	S	Wallace, 1976
	E	Wallen, 1976
	E	Weeks, 1978
	E/S/C	Weimer, 1975
	C	Williams, D. R., 1976
	C	Williams, J. W., 1976
	C	Wilson, 1977
	E	Wood, 1974
	S	Wright, 1977
	S	Young, 1974
	S	Zucker, 1978

Teaching approaches (cont.)

E	E	Berliner et al., --
	E	Cahen, 1976, 1977a, b, c
	E	Calfee and Calfee, 1976
	E	Crist-Whitzel and Hawley-Winne, 1976
	E/S	Clark and Grady, 1978
	E	Coles and Chalupsky, 1976
	E/S	Cooney, 1976
	E/S	Denny, T., 1977
	S	Eastman and Behr, 1976
	C	Everest, 1975
	C	Godfrey, 1974a, b
	E/S	Hill-Burnett, 1977
	S	Hoile, 1974
	E/S	Hoke, 1977
	E	Hubbard, 1972
	E	Hubbard and Buchanan, 1975
	S	Kulm, 1973
	C	Kulm, 1977
	E/S	Lachat et al., 1977
	E	Lambert and Hartsough, 1976
	C	Mayer and Greeno, 1974
	E	McDonald, 1976a, b
	C	McLeod and Adams, 1977
	E	Meacham, 1974
	E	Montgomery and Whitaker, 1975
	C	Muha, 1974
	C	Netusil and Kockler, 1974
	S	O'Reilly, 1976
	C	Parin, 1976
	C	Pascarella, 1977
	E/S	Peshkin, 1976
	C	Peterson and Hancock, 1974
	-	Poynor, 1977a, b
	C	Raines, 1974
	E	Resnick, 1975
	-	Rosenshine, 1978
	E/S	Serrano, 1977
	E/S	Smith, L. M., 1977
	E/S	Smith, M. L., 1977
	S	Smith, T. M., 1977
	E	Stallings, 1975
	E	Tatsuoka and Easley, 1963
	E	Tikunoff et al., 1975a, b
	E/S	Walker, 1977a, b
	S	Warren, 1973
	E/S	Weiss, 1978a, b, c
	E/S	Welch, 1977
	E/S	ED 156 498, 1978
	E/S	ED 156 510, 1978
	E/S	ED 156 511, 1978
	E/S	ED 156 512, 1978

Teaching approaches (cont.)

E	E/S	ED 156 513, 1978
	E	ED 151 183, 1976
	E	ED 142 580, 1977
	S	ED 085 255, 1973
	E/S	ED 156 781, 1978

Drill and practice (a-5a)

A	S	Flaherty, 1975
	E/S	Howell, 1978
	S	Starr, 1977
	E	Thornton, 1978
D	E	Bird, 1978
	S	Butcher, 1976
	E	Cranford, 1977
	E	Cummins, 1975
	E/S	Davidson, 1975
	E	Dienes, 1974
	S	Eschenburg, 1977
	C	Heeler, 1976
	E	Hohlfeld, 1974
	E	Howell, 1975
	S	Katz, 1974
	E	Mathies, 1976
	E	McClung, 1977
	E	Morton, 1975
	S	Parrish, 1976
	C	Smith, H., 1978
	S	Weaver, 1976
	S	Wright, 1977
E	E	Begle et al., 1976
	E	Risher et al., 1974
	S	Horwitz, 1975
	E	Palmer, 1973
	S	Pence and Begle, 1974
	E	Suppes et al., 1973
	S	Taylor, 1975

Problem solving (a-5b)

A	S	Allen and Ross, 1977
	E	Anthony and Hudgins, 1978
	E	Arter and Clinton, 1974
	S	Babad and Bashi, 1978
	E	Bana and Nelson, 1977, 1978
	S	Bassler et al., 1975
	E	Blankenship and Lovitt, 1976

Problem solving (cont.)

A	E	Bourgeois and Nelson, 1977
	E	Carpenter et al., May 1976
	S	Cohen and Carry, 1978
	S	Flaherty, 1975
	S	Flener, 1978
	E	Hollaner, 1977
	E	Hollander, Jan. 1978
	E	Hollander, Apr. 1978
	E	Houtz and Speedie, 1978
	S	Kantowski, 1977
	E	Knifong and Holtan, 1977, 1978
	S	Kulm et al., 1974
	S	Leder, 1974
	E	Linville, 1976
	C	Lucas, 1974
	C	Mayer, 1974, Dec. 1975
	E	Meyer, 1978
	S	Michaels and Forsyth, 1977
	E	Nelson and Kieren, 1977
	S	Post and Brennan, 1976
	E	Reis and Gold, 1977
	S	Richardson, 1975
	S	Rogers, 1975
	E	Rosenthal and Resnick, 1974
	S	Sagiv, 1978
	E/S	Scandura, 1974
	E	Sedlak, 1974
	E	Shann, 1977
	E	Suydam and Weaver, 1977
	E	Thompson, 1974
	S	Vos, 1976
	E	Webb and Schmitt, 1974
D	S	Akers, 1975
	E	Alderman, 1978
	E	Ashby, 1977
	C	Ayers, 1977
	C	Barnett, 1975
	E	Bien, 1974
	S	Blake, 1977
	E	Blomstedt, 1974
	S	Boling, 1977
	S	Boyd, 1975
	C	Bratton, 1978
	S	Burruss, 1975
	E/S	Caldwell, 1978
	S/C	Chartoff, 1977
	E	Clement, 1977
	S	Cohen, M., 1977
	E/S	Conan, 1978
	E/S	Conradi, 1975

Problem solving (cont.)

D	S	Crowe, 1975
	S	Dalton, 1975
	S	Days, 1978
	S	Deep, 1977
	E	DeVard, 1974
	S	Edwards, L., 1977
	C	Egan, 1974
	E	Fafard, 1977
	S	Fisher, S., 1978
	S	Fowler, E., 1978
	E	Gallo, 1975
	C	Gimmestad, 1977
	E	Graham, 1978
	S	Grady, 1976
	E	Grunau, 1976
	S	Hall, 1976
	E	Hall, 1977
	C	Hallgren, 1976
	S	Handler, 1977
	E	Harvey, 1977
	E	Hebbeler, 1978
	S	Hesemann, 1976
	S	Hoerbelt, 1977
	E	Hollander, 1974
	S	Hollowell, 1977
	E	Houtz, 1974
	E	Hutcherson, 1976
	E	Irons, 1975
	S	Janovsky, 1976
	E	Johnson, E. L., 1976
	S	Kantowski, 1975
	E	Kasnic, 1978
	E	Kellerhouse, 1975
	C	Kerns, 1977
	E	Laudato, 1976
	S	Lee, J., 1978
	E	Lee, K., 1978
	C	Leggette, 1974
	C	Malin, 1974
	E	Malouf, 1977
	E	Mangru, 1977
	S	Maxwell, 1975
	S	Mayer, 1974
	S	Mayer, M. L., 1975
	E	Meyer, R. A., 1976
	E	Moroz, 1978
	E	Morris, 1976
	E	Moses, 1978
	E	Nelson, G. T., 1975
	S	Olion, 1974
	S	Ortiz-Franco, 1978
	C	Paramore, 1976

Problem solving (cont.)

D	E/S	Parler, 1975
	S	Pereira-Mendoza, 1976
	E	Rankin, 1977
	S	Richardson, 1974
	S	Riley, 1977
	S	Savage, 1978
	E	Schenck, 1978
	S	Schonberger, 1976
	S	Schwieger, 1974
	E	Sedlak, 1974
	S	Semmes, 1978
	S	Settle, 1977
	S	Sharpton, 1977
	E	Sherard, 1974
	E	Shields, 1976
	S	Silver, 1978
	C	Smith, R., 1978
	E	Snethen, 1976
	E	Sparks, 1977
	S	Stanionis, 1975
	C	Swearingen, 1977
	E	Thomas, O., 1978
	S	Tsang, 1976
	C	Tubb, 1975
	E	Tucker, 1975
	C	Underwood, 1977
	S	Valez-Serra, 1975
	C	Van Wie, 1977
	E	Wearne, 1977
	S	Webb, 1975
	S	Webb, N. M., 1978
	E	Whitaker, D., 1977
	E	Whitlock, 1974
	E	Williams, P. D., 1975
	S	Zalewski, 1975
	E	Zalewski, 1978
E	S	Allen and Ross, 1974
	E	Beardslee and Jerman, 1974
	S	Begle et al., 1975
	-	Blumberg, 1977
	S	Cohen, 1976
	-	Damarin, 1976
	-	Dunlop and Fazio, 1976
	E	Groen, 1974
	E/S	Harmel, 1978
	E/S	Hatfield and Bradbard, 1978
	E	Jerman, 1969
	E	Knifong and Holtan, 1976
	E	Laudato and Roman, 1975
	E	Lorton and Searle, 1976
	S	Malin, 1976
	S	Matthews and Atkinson, 1975

Problem solving (cont.)

E	C	Mayer and Greeno, 1974
	-	Pitt, 1978
	-	Robinson, 1978
	E	Roman, 1975
	E	Searle et al., 1973
	E	Shores and Underhill, 1976, 1977
	E/S	Silver, E. A., 1977
	E/S	Trimmer, 1974
	-	Wearne, 1976
	S	Webb, N., 1975
	S	Zalewski, 1974a, b

Estimation (a-5c)

A	E/S/C	Carpenter et al., Apr. 1976
D	E	Hall, 1977
	S	Lawson, 1978
	E	Sutherlin, 1977

Mental computation (a-5d)

A	E	Sachar, 1978
D	C	Berman, 1978
	C	Bowling, 1975
	C	Buckley, 1975
	C	Davenport, 1978
	E	Mao, 1976
	E	Olshen, 1976
	C	Rodi, 1976
	S	Winkelman, 1975

Homework and supervised study (a-5e)

A	E/S	Austin, 1976
	S	Austin and Austin, 1974
	C	Stephens, 1977
D	S	Anthony, 1978
	C	Bickerstaff, 1977
	S	Butcher, 1976
	S	Dadas, 1977
	C	Dyer, 1976
	S	Friesen, 1976
	S	Katz, 1974

Homework and supervised study (cont.)

D	C	Klinger, 1974
	C	Ling, 1975
	C	Olson, F., 1977
	S	Parrish, 1976
	C	Rush, 1975
	S	Scaglione, 1975
	C	Schmidt, 1974
	C	Smith, A. F., 1976
E	C	Poulsen, 1970, 1975

Review (a-5f)

D	E	Clayton, 1974
	C	Cohen, L., 1977
	S	Friesen, 1976
	C	Glucksman, 1975
	C	Gore, 1975
	S	Grenier, 1976
	E	Horwitz, 1976
	E	Pence, 1974
	E	Summerfield, 1975
	E	Thomas, 1974
E	E	Walzl, 1973

Checking (a-5g)

D	E	Whitaker, W., 1977

Writing and reading numerals (a-5h)

D	E	Cummins, 1975
	E	Fisher, D.O., 1975
	E	Muangnapoe, 1975

Specification of objectives (a-5i)

A	-	Cowan and Clary, 1978
	E/S	Hershkowitz et al., 1975
	E	Hoepfner, 1974
	C	Houston, 1977
	S	Pereira-Mendoza and Robbins, 1977
	E	Price et al., 1977
	E	Sowell, 1974

Specification of objectives (cont.)

D	E/S	Ajose, 1975
	C	Bailey, 1975
	E	Batchelder, 1976
	S	Burns, 1974
	E	Chick, 1975
	E	Downing, 1975
	C	Farrah, 1977
	E	Harutunian, 1974
	E	Hollis, 1975
	E	Hosticka, 1974
	C	Martin, 1975
	E	Schultz, 1976
	E	Sinatra, 1976
	S	Smith, L., 1974
	C	Smith, N., 1975
	E/S	Strachan, 1977
	-	Tashjian, 1977
	E	Walker, 1977
	E/S	Wilburn, 1977
E	S	Cook, 1972
	S	Ikeda, 1965
	E	ED 146 206, 1976

Attitude, self-concept and climate (a-6)

A	C	Aiken, 1974
	E	Arlin, 1976
	E/S	Beck, 1977
	E	Blaney et al., 1977
	S	Bowser and Robinson, 1977
	E	Brown and Kameen, 1976
	E	Callison, 1974
	S	Campbell and Schoen, 1977
	E	Chang, 1976
	E	Cole, 1974
	S	Cooper and Petrosky, 1976
	S	Fennema and Sherman (AERJ), 1977
	E	Gilbert, 1977
	E	Gilbert and Cooper, 1976
	E	Hilton and Berglund, 1974
	E/S	Hogan, 1977
	S	House, 1975
	E	Hunkler, 1977
	S	Kulm, 1977
	E	Marjoribanks, 1975
	E/S	Marjoribanks, 1977
	S	Marjoribanks, 1976
	C	McBride and Rollins, 1977
	E	McCormick and Karabinus, 1976

Attitude, self-concept, and climate (cont.)

A	E	McIntire and Drummond, 1977
	S	Michaels and Forsyth, 1977
	C	Newman et al., 1974
	E	Oanh and Michael, 1977
	E	Primavera et al., 1974
	S	Randhawa and Michayluk, 1975
	E	Rubin et al., 1977
	C	Scott and Fensham, 1977
	S	Sherman and Fennema, 1977
	S	Starr, 1977
	E	Stedman and Breen, 1977
	C	Steele et al., 1974
	E	Stenner and Katzenmeyer, 1976
	S	Thornburg, 1975
	C	Zimmerman et al., 1977
D	S	Adrian, 1978
	E	Ali, 1978
	E	Azouz, 1978
	C	Beauvais, 1976
	S	Bellamy, 1976
	C	Bleyer, 1978
	E	Blezinger, 1975
	E/S	Boardman, 1975
	C	Bottorff, 1974
	E/S/C	Bowling, 1977
	E	Bridgeman and Shipman, 1978
	E/S	Burek, 1975
	C	Calarco, 1977
	E	Carey, 1978
	S	Casner, 1978
	S	Cheng, S., 1977
	C	Childress, 1976
	E	Clark, 1976
	C	Clewell, 1976
	E	Cole, 1974
	S	DeCicco, 1974
	E	Doyle, B., 1978
	C	Duncan, 1976
	E	Espinosa, 1976
	E/S	Fennema and Sherman, 1978
	S	Fischman, 1976
	E	Fitzmaurice, 1976
	C	Flinn, 1976
	E	Fluellen, 1975
	S	Ford, 1977
	E	Forseth, 1977
	E	Gessner, 1978
	C	Gooden, 1978
	S	Gordon, 1975

Attitude, self-concept, and climate (cont.)

D	E	Graham, J. M., 1975
	E	Gunnarsen, 1976
	C	Guth, 1974
	C	Guymon, 1977
	E	Hamilton, 1976
	E	Harris, 1977
	E	Hart, 1977
	E	Hatfield, 1977
	S	Hering, 1976
	E	Hermansen, 1976
	S	Hinders, 1977
	E	Hudgins, 1978
	E	Hunter, 1974
	S	Israel, 1977
	C	Jackson, R. E., 1974
	S	Jacobs, 1974
	E	James, M. A., 1976
	E/S	Johnson, G., 1977
	C	Jordan, 1976
	S	Keller, 1974
	E	Krause, 1974
	S	Maffei, 1978
	E	Mayberry, 1974
	C	McBride, 1974
	E	McCormick, 1975
	E	McDonald, 1974
	E/S	McMaster, M.K., 1976
	S	Medoff, 1974
	S	Miller, B., 1978
	E	Moorman, 1975
	E	Morrison, 1975
	C	Moss, 1976
	S	Muzeroll, 1976
	E	Nolen, 1978
	S	O'Donnell, 1976
	C	Olson, 1975
	S	Pagni, 1978
	E	Phelan, 1974
	S	Pitiyanuwat, 1977
	E	Purdy, 1976
	E	Quinn, 1978
	S	Rancifer, 1978
	E	Rogers et al., 1978
	E	Rogerson, 1978
	E/S	Rubin, R., 1978
	S	Sandman, 1974
	C	Shannon and Sleet, 1978
	E	Silverman, 1974
	E	Smith, D. S., 1974
	S	Smith, G. C., 1975
	C	Smith, R. M., 1976

Attitude, self-concept, and climate (cont.)

D	S	Smithson, 1974
	S	Smead, 1977
	S	Staszkiewicz, 1978
	C	Stones, 1978
	S	Straham, 1978
	E	Strang et al., 1978
	E	Topping, 1976
	E	Vance, 1978
	C	Visor, 1976
	E	Whitaker, D., 1977
	C	Wilders, 1976
	E	Wojcik, 1975
	C	Wolfmeyer, 1976
	E	Yates, 1975
	E/S	Yvon and Downing, 1978
	E	Zeitz, 1976
E	C	Aiken, 1974
	S	Allen and Main, 1973
	S/A	Betz, 1977
	S	Brown, R.,
	C	Bukowski, 1975
	E	Feghali, 1976
	S	House and Moore, 1974
	E	Kerr, 1973
	E	Morrow, 1974
	C	Netusil and Kockler, 1974
	E	Nolen et al., 1976, 1977
	S	O'Reilly, 1975, 1976
	E/S	Robinson, 1975
	E	Robitaille, 1976
	S	Starkey and Klusedorf, 1977
	C	Williams, 1978a, b

International comparisons (a-7)

A	S	Af Ekenstam, 1977
	E	Airasian et al., 1977
	E	Austin and Postlethwaite, 1974
	S	Babad and Bashi, 1978
	E	Bernoff and Rowe, 1978
	E	Brown and Kuchemann, 1977
	E	Claxton and Acres, 1978
	C	Colgan, 1977
	S	Cornelius and Cockburn, 1978
	E	Crano and Mellon, 1978
	S	Dudley, 1977
	E	Eshel and Klein, 1978

International comparisons (cont.)

A	E/S	Essen et al., 1978
	E	Ethelberg-Laursen, 1978
	E/S	Fahrmeier, 1975
	S	Fitzgerald, 1978
	E/S	Fogelman, 1978
	E	Fogelman and Gorbach, 1978
	S	Fraser and Koop, 1978
	E	Ghodsian and Calnan, 1977
	E	Ginsberg, 1978
	S	Hall and Thomas, 1977
	S	Hall and Thomas, 1978
	E/S	Harnqvist, 1978
	S	Hart, 1978
	S	Hornik, 1978
	C	Hudson and McIntire, 1977
	E/S	Irwin et al., 1978
	S	Kagan and Tamir, 1977
	S	Karplus et al., 1977
	S/A	Kent, 1978
	S	Koop and Fraser, 1978
	C	Laosa, 1976
	S	Leder, 1974
	C	Macnab et al., 1977
	E/S	Marjoribanks, 1977
	S	Marjoribanks, 1976
	E	Marjoribanks (Feb.), 1978
	E	Marjoribanks (Jun.), 1978
	S	Marjoribanks (Dec.), 1978
	E	Mellon and Crano, 1977
	E/S	Milgram and Milgram, 1976
	E	Miller and Meltzer, 1978
	S	Murray, 1977
	E	Oanh and Michael, 1977
	E	Okonji, 1974
	S	Sagiv, 1978
	C	Scott and Fensham, 1977
	C	Shannon and Sleet, 1978
	S	Shayer and Wylam, 1978
	E	Swain and Barik, 1978
	E	Trown, 1978
	S	Valendia et al., 1978
	E	Versey, 1978
	E	Walkerdine and Corran, 1978
	E	Watson, 1978
	E/S	Wilson et al., 1976
	E	Youniss and Dean, 1974
	E	Za'Rour and Panaouri-Kilaniotis, 1977
	E	Zammarelli and Bolton, 1977

International comparisons (cont.)

D	E	Abebe, 1974
	S	Abu Zeineh, 1976
	S	Alvarado, 1974
	E	Armah, 1977
	E	Arouz, 1978
	E	Arsanam, 1977
	E	Brace, 1974
	C	Chumbley, 1977
	S	El-Hebski, 1975
	S	Eshiwani, 1975
	C	Flores, 1974
	S	Gordon, 1976
	E	Hart, 1977
	S	Jenjit, 1974
	S	Karimpour, 1978
	E	Lassa, 1976
	E/S	Lekskul, 1977
	E	Malak, 1977
	E/S	Mitchelmore, 1975
	E	Mongkolsuksawat, 1975
	S	Monier, 1977
	E	Monteiro, 1978
	E/S	Mulino-Betancourt, 1975
	E	Mwangangi, 1975
	E	Omari, 1976
	E/S	Omotoso, 1975
	S	Onyejuruwa, 1978
	E	Osibodu, 1976
	S	Poolsawasdi, 1976
	E	Posner, 1978
	E	Pungah, 1976
	S	Purakam, 1978
	S	Rakpraja, 1978
	E	Rankin, 1977
	E	Sangviriyakul, 1978
	E	Sastsara, 1976
	S	Shabanowitz, 1975
	C	Shay, 1975
	E	Shrestha, 1978
	E/S	Swetz, 1974
	C	Tangudtaisuk, 1975
	S	Thomas, 1975
	E	Tilson, 1978
	C	Webber, 1978
	C	Yang, 1978
E	C	Halls and Humphreys, 1968
	E/S	Mitchelmore, 1974
	S	Otani, 1976
	E/S	Robitaille and Sherrill, 1977a,b,c,d

International comparisons (cont.)

E	E	Searle et al., 1976, 1977
	S	Thorndike, 1973
	E	Tilson, 1978
	E/S	van Bruggen and Freudenthal, 1977
	E/S	Wandoo and Raina, 1976
	S	ED 146 885, 1976

Pre-first grade concepts (b-1)

A	E	Abelson et al., 1974
	E	Bennett, 1976
	E	Brittain, 1976
	E	Brush, Brett and Sprotzer, 1978
	E	Davis, 1975
	E	Dixon, 1977
	E	Gelman and Tucker, 1975
	E	Holland and Palermo, 1975
	E	Huberty and Swan, 1974
	E	Kohn and Rosman, 1974
	E	Kraner, 1978
	E	Kurtz, 1978
	E	Lawton and Powell, 1978
	E	Levy, 1978
	E	Magliocca et al., 1977
	E	Runnels and Runnels, 1974
	E	Scott, 1975
	E	Scott, 1976
	E	Siegel, 1977
	E	Telegdy, 1975
	E	Trehub and Abramovitch, 1978
	E	Wannemacher and Ryan, 1978
	E	Wexley et al., 1974
D	Allardice, 1978	
	E	Anastasi, 1978
	E	Baust, 1976
	E	Beers, 1974
	E	Boettcher, 1974
	E	Campbell, B. G., 1975
	E/C	Cuneo, 1978
	E	Eichhorst, 1978
	E	Gailey, 1977
	E	Keen, 1976
	E	Loewe, 1974
	E	Morella, 1974
	E	Morgan, 1978
	E	Perez, 1975
	E	Ricketts, J. N., 1976

Pre-first grade concepts (cont.)

D	E	Waite, 1976
	E	Washburn, 1977
	E	Wintergalen, 1977
	E	Wirtz, 1976

Readiness (b-2)

A	E	Scott, 1975
	E	Sturgis et al., 1974
D	E	Genrich, 1977
	E	Hamrick, 1977
	E	Murray, 1974
	E	Nesher, 1976
	E	Price, S., 1978
	E	Wilburn, 1974

Content organization and inclusion (b-3)

A	E	Abelson et al., 1974
	E	Alderman, 1978
	C	Burrows, 1975
	C	Carter, 1975
	C/E	Catanzano and Godwin, 1976
	C	Catazano, 1977
	C	Friesen, 1978
	E/S	Grouws and Reys, 1975
	E	Huberty and Swan, 1974
	S	Johnson and Byars, 1977
	E	Kraner, 1978
	E	Kren and Huntsberger, 1977
	E	Kurtz, 1978
	E	Novillis, 1976
	S	Pereira-Mendoza and Robbins, 1977
	E	Porter et al., 1978
	E	Runnels and Runnels, 1974
	-	Shavelson and Stanton, 1975
	E	Sowell, 1974
	C	Sterrett, 1976
	E	Thornton, 1978
	E/S	Uprichard and Phillips, 1977
	S	White, 1974
D	S	Adams, 1978
	C	Alden, 1974
	C	Boclair, 1974
	C	Boldt, 1977

Content organization and inclusion (cont.)

D	E	Borden, 1977
	S	Boulware, 1976
	S	Bowser, 1977
	C	Brennan, 1977
	C	Brevit, 1976
	C	Brown, S.P., 1976
	S	Burress, 1975
	E	Burt, 1974
	C	Carpenter, 1978
	C	Carter, 1975
	E/S	Causey, 1977
	E	Choate, 1975
	C	Clark, 1974
	C	Collison, 1976
	C	Coon, 1974
	E	Corso, 1978
	S	Corwin, 1978
	E	Daugherity, 1978
	C	David, 1978
	C	Davis, 1974
	E	Davis, S., 1978
	S	Denenberg, 1978
	S	Drew, 1974
	S	Edwards, A., 1977
	E	Ellerbruch, 1976
	C	Fenneman, 1974
	C	Fentress, 1974
	C	Fisher, G.L., 1974
	E	Galloway, 1976
	S	Gast, 1978
	E	Gates, 1977
	S	Glaman, 1975
	S	Golden, 1977
	S	Goldman, 1974
	C	Hartfield, 1977
	E	Harutunian, 1974
	E	Heatherly, 1978
	E	Hosticka, 1974
	C	Howell, 1978
	S	Jenjit, 1974
	C	Kalish, 1974
	C	Kinnebrew, 1975
	-	Laird, 1977
	E	Leach, 1974
	C	Ledoux, 1974
	C	Leggette, 1974
	S	Martinez, 1974
	C	Mason, 1978
	S	Matthews, 1974
	E	McGregor, 1976
	E	Meyerson, 1978
	C	Mitchell, 1974

Content organization and inclusion (cont.)

D	S	Mohammad, 1978
	S	Moresh, 1977
	E	Muller, 1976
	S	Murphey, 1977
	E	Murray, 1974
	E	Myles, 1976
	C	Niedfeldt, 1976
	E	Novillis, 1974
	S	Nuspl, 1975
	E	Padula, 1975
	C	Quinn, 1974
	E	Rees, 1975
	S	Richbart, 1978
	C	Riddle, 1978
	C	Scalzo, 1976
	S	Shabanowitz, 1975
	E	Shipman, 1974
	C	Sklar, 1977
	S/C	Stein, 1978
	S	Straley, 1976
	S	Swank, 1974
	S/C	Tan, 1976
	S	Temple, 1977
	C	Theil, 1974
	C	Travis, 1977
	E	Tripp, 1974
	C	Van Wie, 1977
	E	Vandever, 1977
	E/S	Weare, 1975
	S	Weiss, 1976
	E	Wiles, 1974
	C	Williams, 1978
	S	Williams, E.P., 1975
	E	Wood, 1974
	S	Wulfeck, 1976
	S	Young, 1974
	E	Young, J. E., 1975
	S	Zucker, 1978
E	C	Baldwin et al., 1975
	C	Burt, 1976
	E/S	Clark and Grady, 1978
	E	Coleman et al., 1973
	E/S	Collis, 1977
	S	Denton, 1977
	E	DiConstanzo, 1976
	C	Friesen, 1974
	E	Geeslin, 1973
	S	Geeslin, 1974a,b
	C	Halls and Humphreys, 1968
	S	Johnson, C. S., 1975
	S	Martin, 1975

Content organization and inclusion (cont.)

E	S	Massey and Conner, 1975, 1977
	E/S/C	McIntosh and Crosswhite, 1973
	E	Miller and Phillips, 1974
	C	Moore, 1973
	S	Rideout and Mackenzie, 1977
	S	Rideout et al., 1977
	-	Shavelson, 1974
	S	Small et al., 1975
	S/C	Tan, 1977
	E	Uprichard and Phillips, 1975, 1976
	C	Villano, 1975
	E	Wiles, 1973
	S	ED 148 644, 1959

Quantitative understanding (b-4)

A	E	Brainerd and Fraser, 1975
	E/S	Fahrmeier, 1975
D	E	Pinchback, 1978
	E	Posner, 1978

Grade placement (b-5)

A	E	Kraner, 1978
	E	Thornton, 1978
D	E	Galloway, 1976
	E	Myles, 1976
	S	Wulfeck, 1976

Time allotment (b-6)

A	S	Anderson, 1975
	S	Anderson, 1976
	E	Broughton and Lamey, 1978
	E	Good and Beckerman, 1978
	E	Hall et al., 1977
	S	Hecht, 1978
	E	Hushak, 1977
	E	Price et al., 1977
D	E/S	Barley, 1975
	E	Burt, 1974
	E	Dienes, 1974
	S	Dubriel, 1978

Time allotment (cont.)

D	C	Ferguson, 1978
	E	Garber, 1975
	E	Kazarian, 1978
	S	Koos, 1978
	S	Mauthe, 1974
	E	Molina, N., 1977
	C	Olsen, J. C., 1974
	S	Ross, J., 1977
	S	Watland, 1976
E	S	Anderson, L.W., 1975
	-	DeVault, 1977
	E	Fisher et al., 1976
	C	Poulson, 1970, 1975
	-	Rosenshine, 1978
	S	Stephens, 1973
	E	ED 151 373, 1975
	E	ED 156 640, 1975

Language (b-7)

E	E	Hemrick, 1976

Counting, place value (c-1)

A	E	Barr, 1978
	E	Brainerd, 1974
	E	Brittain, 1976
	E	Bullock and Gelman, 1977
	E	Dixon, 1977
	E	Gelman and Tucker, 1975
	E	Groh and Groh, 1977
	E	Gullen, 1978
	E	Henderson and Swanson, 1978
	E/S	Hook, 1978
	E	Kavanaugh, 1976
	E	Maertens et al., 1977
	C	Mayer, 1977
	E/S	Ronning, 1977
	E	Russac, 1978
	E	Sauls and Beeson, 1976
	E	Shannon, 1978
	E	Siegel, 1974
	E	Smither et al., 1974
	E	Spradlin et al., 1974
	E	Wannemacher and Ryan, 1978

Counting, place value (cont.)

D		Allardice, 1978
	E	Barr, 1976
	E	Bernstein, 1976
	E	Boelke, 1978
	E	Bradley, 1977
	E	Brockmann, 1978
	E	Clothiaux, 1978
	S	Cohen, P., 1978
	E	Crown, 1978
	E	Fitzhugh, 1978
	E	Gullen, 1978
	E	Hazekamp, 1977
	E	Matlow, 1977
	E	Montgomery, 1978
	E/S	O'Connell, 1976
	E	Parsons, 1974
	E	Pennington, 1977
	E	Russac, 1977
	E	Solter, 1976
	E	Steger, 1977
	E	Wiebe, 1977
	E	Yelton, 1977
E	E	Gonchar, 1975
	E	Meissner et al., 1972

Number properties and relations (c-2)

A	E	Davis, 1975
	E	Johnson (SSM), 1977
	E	Maertens et al., 1977
	E	Reys, 1974
	E/S/C	Sekuler and Mierkiewicz, 1977
	E	Siegel, 1977
D	S	Anderson, J.W., 1975
	E	Anderson, W. Clarence, 1977
	E	Bartlett, 1975
	C	Collison, 1976
	E	Ebeling, 1974
	E	Ebert, 1976
	C	Espigh, 1974
	E	Gates, L. J., 1975
	E	Hazekamp, 1977
	E	Hobbs, 1976
	E	Lamb, 1976
	E	Pennington, 1977
	E	Ridge, 1977

Number properties and relations (cont.)

D	E	Rossi, 1976
	E	Russac, 1977
	E	Seely, 1977
	E	Shaffer, 1976
	S	Young, 1974
E	E	Denmark et al., 1976
	E	Gonchar, 1975
	C	Potts, 1973
	E	Ridge, 1978
	E	Shumway, 1972
	E	Steffe, 1976
	E	Weaver, 1976

Whole numbers (c-3)

A	S	Allen and Ross, 1977
	S	Babad and Bashi, 1978
	E	Barnett and Eastman, 1978
	E	Brown and Burton, 1978
	E/S	Brown and Kuchemann, 1977
	E	Campbell, 1978
	E	Cox (Nov.), 1975
	E	Ethelberg-Laursen, 1978
	E	Garigliano, 1975
	E	Hunkler, 1977
	S	Lankford, 1974
	S	Majors and Michael, 1975
	E	Mpiangu and Gentile, 1975
	E	Thornton, 1978
D	E	Allen, 1976
	E	Baxter, 1974
	E	Bird, 1978
	E	Crown, 1978
	E	Cummins, 1975
	E	Daugherity, 1978
	E	Ebeling, 1974
	E	Gonyo, 1977
	E	Graham, 1978
	E	Hart, 1977
	S	Kane, 1977
	E	Lazerick, 1976
	E	Leach, 1974
	S	Mayer, 1975
	S	Miller, G. F., 1975
	E	Sherard, 1974
	E	Smith, D. C., 1974
	C	Smith, R., 1978

Whole numbers (cont.)

E	E	Behr et al., 1976
	E	Burrows, 1976
	E	Coleman et al., 1973
	E/S	Cox, 1974
	E	Eisenberg, 1974
	E/S	Graeber and Wallace, 1977
	E	Groen, 1974
	E	Hobbs, 1976
	E	Hungerman, 1975, 1977
	E	Jerman, 1969
	E	Klein and Thompson, 1975
	E	Morgan et al., 1977
	E	Robitaille, 1976
	E	Romberg, 1975
	E	Weaver, 1976a

Addition with whole numbers (c-3a)

A	E	Alderman, 1978
	S	Borakove and Cuvo, 1977
	E	Brunau, 1978
	E	Brush, 1978
	E	Brush, Brett and Sprotzer, 1978
	E/S/C	Carpenter et al. (Mar.), 1976
	E	Cox (Feb.), 1975
	E	Dashiell and Yawkey, 1974
	E	Groen and Resnick, 1977
	E	Grouws, 1974
	E/S	O'Brien and Shapiro, 1977
	E	Peck and Jencks, 1976
	E	Pike and Olson, 1977
	E	Sauls and Beeson, 1976
	E	Uprichard and Collura, 1977
	E	Wheatley, 1976
	E/S	Wheatley and McHugh, 1977
	E/S	Wheatley and Wheatley, 1978
D	E	Alderman, 1978
	E	Alessi, 1974
	E	Allardice, 1978
	S	Allen, 1978
	E	Anderson, W. Clarence, 1977
	E	Barco, 1977
	E	Bosland, 1978
	C	Buckley, 1975
	E	Dashiell, 1975
	E/S	Davidson, 1975
	E	Davis, S., 1978

Addition with whole numbers (cont.)

D	C	Ferguson, 1977
	E	Friedman, 1977
	E	Gabbard, 1978
	E	Gerling, 1978
	E	Gilbert, 1975
	E	Glavach, 1977
	E	Grossman, 1978
	E	Grunau, 1976
	E	Hamrick, 1977
	E/S	Hamrin, 1975
	E	Hebbeler, 1978
	E	Hilker, 1976
	S	Jurdak, 1974
	E	Kellerhouse, 1975
	E	Long, 1976
	E	Mao, 1976
	E	Marcy, 1978
	E	Marotta, 1974
	E	Morton, 1975
	C	Rodi, 1976
	E	Rosenthal, 1975
	E	Smith, J. E., 1975
	E	Weinhouse, 1976
	E	Westmoreland, 1975
	E	Wiles, 1974
	E	Williams, P. D., 1975
	S	Winkelman, 1975
	E	Woodward, 1978
E	E	Boliver et al., 1975
	C	Gray et al., 1966
	E	Hamrick, 1976
	E	Lindvall and Ibarra, 1978
	E	Osguthorpe et al., 1975
	E	Shores and Underhill, 1976, 1977
	E	Uprichard and Collura, 1974
	E	Weaver, 1976b
	E	Wheatley, 1975
	E	Wiles, 1973

Subtraction with whole numbers (c-3b)

A	E	Broughton and Lahey, 1978
	E	Brush, 1978
	E	Brush, Brett and Sprotzer, 1978
	E/S/C	Carpenter et al. (Dec.), 1975
	E/S/C	Carpenter et al. (Mar.), 1976
	E	Cox (Feb.), 1975
	E	Grouws, 1974

Subtraction with whole numbers (cont.)

A	E	Hoppe, 1975
	E	Hutchings, 1975
	E	Lovitt and Smith, 1974
	E/S	O'Brien and Shapiro, 1977
	E	Peck and Jencks, 1976
	E	Pike and Olson, 1977
	E	Sauls and Beeson, 1976
	E	Uprichard and Collura, 1977
	E	Woods et al., 1975
D	E	Allardice, 1978
	S	Allen, 1978
	E	Anderson, W. Clarence, 1977
	E	Berger, 1978
	E	Blankenship, 1977
	E	Broughton, 1977
	C	Buckley, 1975
	E	Calhoun, 1976
	E/S	Davidson, 1975
	E	Davis, S., 1978
	E	Gabbard, 1978
	E	Gerling, 1978
	E	Gilbert, 1975
	S	Gramick, 1976
	E	Hamrick, 1977
	E/S	Hamrin, 1975
	E	Harvey, 1977
	E	Howlett, 1974
	E	Logan, 1976
	E	Long, 1976
	E	Marshall, 1977
	E	Rosenthal, 1975
	E	Sohns, 1974
	E	Westmoreland, 1975
	E	Wiles, 1974
	E	Williams, P. D., 1975
	E	Woodward, 1978
	E	Wruble, 1975
E	E	Hamrick, 1976
	E	Lindvall and Ibarra, 1978
	E	Osguthorpe et al., 1975
	E	Robie et al., 1975
	E	Shores and Underhill, 1976, 1977
	E	Uprichard and Collura, 1974
	E	Weaver, 1976b
	E	Wiles, 1973

Multiplication with whole numbers (c-3c)

A E Cromer, 1974
E Grouws and Good, 1976
E Hughes and Burns, 1975
E Macready, 1975
E Scott and Neufeld, 1976

D E Anderson, L. W., 1975
E Babb, 1975
E Babb, 1976
E Boyle, 1975
E Brown, R. E., 1976
E Fordham, 1975
E Generes, 1978
E/S Hamrin, 1975
E Hazekamp, 1977
E Hobbs, 1976
E Hohlfeld, 1974
E Johnston, 1978
E MacLean, 1974
E McMaster, M. J., 1976
- Morrissey, 1975
E Punn, 1974
E Thompson, C. E., 1974
C Travis, 1978
E Wood, 1974
S Wright, 1977

E E McMaster, 1975a, b
E Romberg and Glove, 1975a, b
E Weaver, 1976a, b
E Weaver, 1976c

Division with whole numbers (c-3d)

A S Anderson, 1975
E Bana and Nelson, 1977
E Bana and Nelson, 1978
E Bourgeois and Nelson, 1977
E/S/C Carpenter et al. (Mar.), 1976
E Grouws and Good, 1976
E/S Grouws and Reys, 1975
E/S Howell, 1978
E Jenkins et al., 1974
E Reys, 1974
E/S Reys and Grouws, 1975
E Vest, 1978

D E Anderson, L. W., 1975
E Cuevas, 1976

Division with whole numbers (cont.)

D Fishell, 1975
E/S Hill, T , 1977
E Irons, 1975
E Jones, W. L., 1976
E McMaster, M. J., 1976
E Miller, 1977
E Weiland, 1978

E E McMaster, 1975a, b

Fractions (c-4)

A S Af Ekenstam, 1977
S Gaslin, 1975
E Hiebert and Tonnessen, 1978
E/S Kieren and Nelson, 1978
S Lankford, 1974
E Schiller, 1977
E Streefland, 1978

D E Borden, 1977
E Campbell, B. G., 1975
E Choate, 1975
E Coburn, 1974
E Cuevas, 1976
E Erlwanger, 1975
E Galloway, 1976
E Hawkins, 1975
S Jamski, 1977
E Leach, 1974
S McBride, 1978
E McClung, 1977
E Muangnapoe, 1975
E Novillis, 1974
S Turner, 1978
E Wagner, 1976

E S Ginther et al., 1976
E Hungerman, 1975, 1977

Addition with fractions (c-4a)

A E/S Carpenter et al. (Feb.), 1976
E/S Uprichard and Phillips, 1977

D E Campbell, 1978
E Coburn, 1974

Addition with fractions (cont.)

D	E	Ellerbruch, 1976
	E	Harutunian, 1974
	E	McGregor, 1976
E	E	Uprichard and Phillips, 1975, 1976
	S	Weaver, 1976

Subtraction with fractions (c-4b)

D	E	Campbell, 1978
	E	Coburn, 1974
	E	Ellerbruch, 1976
E	E	Miller and Phillips, 1974

Multiplication with fractions (c-4c)

A	E	Burton et al., 1975
	E/S	Carpenter et al. (Feb.), 1976
D	E	St. Martin, 1975

Division with fractions (c-4d)

D	E/S	Causey, 1977
	E	Johnson, E. L., 1976
	E	St. Martin, 1975

Decimals (c-5)

A	S	Af Ekenstam, 1977
	E	Novillis, 1976
	S	White, 1974
D	S	Bauer, 1975
	E	Bien, 1974
	E	Borden, 1977
	E	Galloway, 1976
	S	Jamski, 1977
	S	Janovsky, 1976
	S	King, 1977
	E	Sutherlin, 1977
	S	Vaughn, 1977
	C	Visor, 1976

Decimals (cont.)

E	S	Ginther and Begle, 1975

Percentage (c-6)

A	E	Selman et al., 1976
D	C	Bencsik, 1977
	S	Jamski, 1977
	S	Vaughn, 1977

Ratio and proportion (c-7)

A	S	Adi et al., 1978
	E/C	Capman, 1975
	E	Cloutier and Goldschmid, 1976
	S	Hart, 1978
	E/S	Karplus et al., 1974
	S	Karplus et al., 1977
	E/S/C	Lawson et al., 1978
	E	Muller, 1978
	C	Shyers and Cox, 1978
	S	Wollman and Karplus, 1974
D	S	Abramowitz, 1975
	S	Bachmann, 1978
	C	Bencsik, 1977
	E	Boulanger, 1974
	E	Ford, E. R., 1974
	S	Kurtz, 1977
	C	Shyers, 1976
	S	Zepp, 1976
E	S	Abramowitz, 1975a,b,c

Measurement (c-8)

A	E	Bailey, 1974
	E	Bernoff and Rowe, 1978
	S	Borakove and Cuvo, 1977
	E	Carpenter and Lewis, 1976
	E/S/C	Carpenter et al. (Oct.), 1975
	E/S/C	Carpenter et al. (Nov.), 197
	E/S	Carpenter, E., 1975
	E	Chipley and Trueblood, 1976
	E/S	Fennema and Sherman, 1978
	E	Fyffe, 1978
	E	Hirstein et al., 1978

Measurement (cont.)

A	E	Houser and Trueblood, 1975
	E	Kren and Huntsberger, 1977
	S	Kuhfittig, 1974
	E	Murray and Johnson, 1975
	E	Rowsey and Henry, 1978
	E	Rozek et al., 1977
	E	Selman et al., 1976
	E	Taloumis, 1975
	E/S	Trent, 1978
	E	Van Wagenen et al., 1976
D	S	Aiello, 1978
	S	Alexander, 1977
	E	Allen, 1976
	C	Bilbo, 1976
	E	Brace, 1977
	S	Brames, 1977
	E	Brawley, 1975
	S	Brooks, H. J., 1975
	E	Brumfield, 1977
	C	Cheng, W., 1977
	S	Cohen, P., 1978
	E	Dech, 1976
	S	Devies, 1977
	E	Esham, 1975
	E	Fabricant, 1974
	C	Fair, 1974
	E	Flower, 1978
	S	Frayman, 1976
	S	Gordon, 1976
	S	Headrick, 1976
	E	Henderson, 1974
	E	Houser, 1975
	E	Irmen, 1976
	E	James, K. W., 1976
	S	Jellema, 1976
	C	Kennedy, 1975
	E	Klotz, 1978
	-	Kongsasana, 1978
	E	LaMay, 1976
	E	Lamb, 1976
	E	Lawson, 1977
	E	Lockhart, 1977
	S	Love, 1977
	E/S	Low, 1978
S		Marburger, 1976
	E	McGill, 1975
	S	Miller, P., 1978
	E	Morris, 1975
	E	Moyer, J. C., 1975
	E	O'Brien, 1974
	E	Ohrenberg, 1977

Measurement (cont.)

D	E	Pigford, 1975
	E	Rees, 1975
	C	Richardson, 1977
	E	Rose, M., 1977
	S	Ruda, 1978
	E	Schoedler, 1976
	E	School, 1977
	E	Schultz, 1978
	E/S	Scott, 1977
	E	Silverman, 1974
	S	Slobojan, 1975
	S	Smith, J., 1974
	C	Stellar, 1974
	C	Stotts, 1977
	E	Tate, 1978
	S	Taylor, C. O., 1978
	S	Wescott, 1977
	E	Willans, 1977
	E	Young, J. E., 1975
E	E	Downs, 1976
	E	Fabricant, 1975
	E/S	Fennema, 1974
	E/S	Goldbecker, 1976
	E	King, 1977
	E/S	Lesh and Bradbard, 1976
	E	Riley and Trabasso, 1973
	E	Thurlow et al., 1975
	E/S	Trent, 1975a,b,c, 1976
	E	Van Wagenen, 1973

Negative numbers (integers) (c-9)

A	S	Airasian and Bart, 1975
	C/E	Bright, 1976
	E	Trown, 1978
D	E	Branch, 1974
	S	Davis, L. H., 1976
	E	Dexter, 1975
	E	Forsythe, 1975
	S	Hoogheem, 1977
	E	Horwitz, 1976
	E	Koback, 1975
	E	Manning, 1976
	S	Moxness, 1975
	S	Sawyer, 1974
	C	Smith, 1975
	S	Taylor, 1975

Negative numbers (integers) (cont.)

E	-	Dexter, 1975

Algebra in elementary school (c-10)

E	E/S	Stanley, 1975

Geometry in elementary school (c-11)

A	E	Brainerd and Vanden Heuvel, 1974
	E	Bright, 1975
	E/S/C	Carpenter et al. (Jan.), 1976
	E	Dean, 1976
	E	Greabell, 1978
	E/S	Guay and McDaniel, 1977
	S	Henry and Rowsey, 1978
	E	Keim-Abbott and Abbott, 1977
	E	Kidder, 1976
	E	Klausmeier and Feldman, 1975
	E	Lesh and Johnson, 1976
	E	Martin, 1976
	E	McMurray et al., 1977
	E	Moyer, 1978
	E	Nelson and Kieren, 1977
	E	Nelson and Klausmeier, 1974
	E	Prigge, 1978
	E	Thornell, 1977
	E	Trown, 1978
	E/S	Verge, 1978
D	E	Bailey, 1974
	E	Barton, 1975
	S	Battista, 1978
	E	Burrows, 1974
	E	Carrier, 1977
	E	Chang, U., 1978
	E	Charles, 1978
	E	Chick, 1975
	E/S	Conant, 1978
	E	Corso, 1978
	E	Doberman, 1974
	E/S	Eastman, 1976
	E	Elliot, 1976
	E	Fabricant, 1974
	E/S	Faw, 1978
	E/S/C	Fisher, 1978
	E	Gardella, 1975
	E	Gates, 1977

Geometry in elementary school (cont.)

D	E	Gobbel, 1977
	E	Golightly, 1977
	E	Heatherly, 1978
	E	Hickman, 1975
	E	Holmes, 1974
	E	Horak, 1978
	S	Jolly, 1978
	E	Karnovsky, 1974
	E	Kennard, 1978
	E	Kontogianes, 1974
	E	Lockwood, 1978
	E	Madden, 1975
	E	Markowitz, 1976
	E/S	Martin, 1975
	E	McGlone, 1974
	E	McMurray, 1975
	E	McGillicuddy-DeLisi, 1977
	S	Miller, M.S.M., 1975
	E/S/C	Mitchelmore, 1975
	E	Morgan, E., 1977
	E	Morris, 1976
	E	Mosely, 1977
	E	Moses, 1978
	E	Musick, 1977
	E	Myles, 1976
	E	Niver, 1977
	E	Perham, 1977
	E	Prigge, 1974
	E	Rovet, 1977
	E	Rustigian, 1977
	E	Schoedler, 1976
	E	Schultz, 1978
	E/S	Thomas, D., 1977
	E	Thompson, F., 1974
	E	Tunis, 1974
	E	Walker, 1978
	E	Weber, 1978
E	E	Begle et al., 1976
	E	Kennedy, 1974
	E/S	Kidder, 1974
	E/S	Klausmeier, 1976
	E	Klausmeier et al., 1973a, b
	E/S	Klausmeier et al., 1976
	E	Lindstrom and Shipman, 1972
	E/S	Martin and Bradbard, 1976
	E/S	McDaniel and Guay, 1976
	E	Meyer, 1972
	E/S	Mitchelmore, 1974
	E	Siegel and Schadler, 1976

Sets (c-12)

A	E	Brush, 1978
	E	Gullen, 1978
	E	James and Knief, 1978
	E	Van Wagenen et al., 1976
D	C	Clark, 1974
	C	Cohen, L., 1977
	E	Gullen, 1978
	S	Hartje, 1975
	E	James, 1974
	E	Kontogianes, 1974
	E	Wolff, 1974

Logic and proofs (c-13)

A	E/S	Antonak and Roberge, 1978
	C	Bittinger and Rudolph, 1974
	S	Carroll, 1977
	E/S	Cherkes, 1975
	E	Collis, 1974
	E	Damarin, 1977
	E	Damarin, 1977
	E/C	Dossey, 1976
	E	Dossey and Henderson, 1974
	E/S	Easterday and Henry, 1978
	S	Eastman and Behr, 1977
	S	Eisenberg, 1975
	E	Eisenberg and McGinty, 1974
	E	Eisenberg and McGinty, 1975
	S	Gregory and Osborne, 1975
	E	Hadar, 1978
	E	Hadar and Henkin, 1978
	S	Jansson, 1977
	S	Jansson, 1978
	E	Juraschek, 1978
	E	Klausmeier and Feldman, 1975
	E/S/C	Lawson et al., 1978
	E/S	Lester, 1975
	E	McGinty, 1977
	S	Shumway, 1974
D	C	Abbott, 1976
	E	Abebe, 1974
	S	Anderson, J. W., 1975
	E/S	Antonak, 1976
	E	Austin-Martin, 1976
	S/C	Auton, 1977
	C	Baldwin, 1977
	S	Bowser, 1977

Logic and proofs (cont.)

D	C	Brennan, 1977
	C	Burger, 1975
	S	Carroll, 1975
	S	Chen, 1977
	E	Chernick, 1975
	C	Clark, 1974
	E	Clark, T. B., 1975
	E	Damarin, 1977
	S	DiNapoli, 1975
	C	Espigh, 1974
	E	Feldman, 1975
	S	Gage, 1977
	E	Gathright, 1977
	C	Gerber, 1974
	C	Goldberg, 1975
	C	Guthrie, 1978
	S	Hirshman, 1976
	-	Hirst, 1977
	S	Hoehn, 1974
	S	Ireland, 1974
	C	Kelly, 1977
	S	London, 1976
	C	Malo, 1975
	S	Marine, 1977
	E	Marliave, 1976
	S	Mueller, 1975
	C	Mulholland, 1977
	C	Nuesse, 1975
	C	Payne, 1978
	S	Rizza, 1975
	S	Schmidt, 1978
	C	Sher, 1974
	E	Shipman, 1974
	S	Smith, S., 1974
	E	Tripp, 1974
	S	Wood, 1976
E	E	Catanzano, 1976
	S	Eastman and Behr, 1976
	C	Eisen, 1974
	S	Gregory, 1974
	S	Gregory and Casteel, 1975
	E	Hadar, 1975
	E	Lipman, 1973
	C	Shipmen, 1975
	E	Shumway, 1972
	C	Tripp et al., 1974
	-	Sternberg and Turner, 1978
	S	Waters, 1973
	E	Wolf and Shigaki, 1977

Flowcharts (c-13a)

A	E	Ford and McLeod, 1977
D	C	Atkinson, 1974
	C	Marchand, 1974
	C	Thomas, P., 1978
E	E	Romberg and Glove, 1975a, b

Decimal numeration system (c-14)

A	E	Flexer, 1978
	C	Vinner, 1977
D	E	Baker, 1977
	E	Barr, 1976
	S	Burress, 1975
	S	Dietz, 1975
	S	Kim, 1975
	E	Monteiro, 1978

(c-14a)

A		Barr, 1978

Other numeration systems (c-15)

A	S	Barszcz and Gentile, 1976
	C	Behr and Eastman, 1975
	C	Mayer, 1977
D	C	Altman, 1976
	E	Armstrong, 1974
	S	Burke, 1974
	E	DeFlandre, 1975
	E	Frohwein, 1974
	E	Joyner, V., 1974
	S	Lee, 1977
	S	Lewis, 1974
	C	Thomas, P., 1978
	S	Wenzelburger, 1975

Probability and statistics (c-16)

A	C	Austin, 1974
	S	Callihan and Bell, 1977

Probability and statistics (cont.)

A	S	Geeslin and Shavelson, 1975
	S	Geeslin and Shavelson, 1975
	E/S/C	Lawson et al., 1978
	C	Mayer, 1974
	S/C	Reys, 1978
	E/S/C	Schermerhorn et al., 1975
	C	Shaughnessy, 1977
	C	Simon et al., 1976
D	S/C	Allen, F. R., 1977
	C	Atkinson, 1976
	C	Ayers, 1977
	C	Bachor, 1977
	E	Blackwood, 1975
	C	Boveda, 1976
	C	Cohen, L., 1977
	S	Cohen, P., 1978
	E	Crouse, 1977
	C	Cruise, 1975
	S	Eshiwani, 1975
	E	Friesen, 1977
	E	Geeslin, 1974
	E	Golton, 1976
	E	Jones, G. A., 1975
	E	King, C. C., 1976
	C	Kipp, 1975
	C	Lee, 1975
	S	Levin, 1976
	E	Mages, 1976
	S	Mayer, 1974
	S	McClenahan, 1975
	E	Mocciola, 1975
	S	Moliver, 1977
	S	Moxness, 1975
	S	Moyer, R. E., 1975
	E	Pinchback, 1978
	C	Scalzo, 1976
	C	Shaughnessy, 1977
	C	Shevokas, 1975
	E	Sinatra, 1976
	C	Smith, C., 1978
	C	Smith, J., 1974
	S	White, 1974
	-	Wise, 1974
E	C	Atwood and Dinham, 1978
	S	Geeslin, 1974a, b
	C	Geisinger and Roberts, 1978
	C	Mayer, 1974
	E	Moran and McCullers, 1978
	S	Pence and Begle, 1974

Functions; graphing; matrices (c-17)

A	S	Anderson, 1975
	C	Feinberg and Halperin, 1978
	S	White, 1974
D	S	Abkemeier, 1975
	C	Beery, 1975
	C	Briggs, B., 1978
	C	Caponecchi, 1974
	C	Davis, 1974
	C	Duncan, 1976
	S	Elsberry, 1975
	S	Goodman, 1977
	E	Herrmann, 1976
	C	Iannone, 1976
	C	Kersten, 1976
	C	Lang, 1974
	S	Montgomery, 1976
	C	Newton, 1975
	E	Nunley, 1974
	C	Price, 1975
	S	Strong, 1975
	S	Swank, 1974
	-	Szijj, 1978
	S	Threadgill, 1977
	E	Wagner, 1978
	C	Webster, 1978
E	E/S	Linke, 1973

Topology (c-18)

D	C	Shafer, 1976

Basic arithmetic procedures in secondary school (c-20)

A	C	Chang, 1977
	S	Cohen, 1977
D	S	Dejarnette-Ondrus, 1978
	C	Gooden, 1978
	C	Simpson, 1975
	C	White, 1978

General mathematics course (c-21)

A	E/S	Austin, 1976
	S	Gaslin, 1975

General mathematics course (cont.)

A	S	House, 1975
	S	Petrosko, 1978
	S	Richardson, 1975
D	S	Ashby, 1975
	S	Dalton, 1975
	S	Edwards, L., 1977
	S	Eschenburg, 1977
	S	Hopkins, 1978
	S	Johnson, W. G., 1974
	S	Laursen, 1978
	S	Mandelbaum, 1974
	S	Moliver, 1977
	S	Morales, 1978
	S	Moyer, R. E., 1975
	S	Wajeeh, 1976
	S	Wu, 1974
E	S	Warren, 1973

Algebra (c-22)

A	S	Anderson, 1975
	E/S	Austin, 1976
	S	Davis et al., 1978
	S	Eastman, 1977
	S	Eastman and Behr, 1977
	S	Eisenberg, 1977
	S	Flaherty, 1975
	S	Hartke, 1978
	S	Hirsch, 1977
	S	House, 1975
	S	Kantowski, 1977
	S	Kulm et al., 1974
	S	Maffei, 1978
	S	Petrosko, 1978
	S	Robitaille et al., 1977
	S	Sagiv, 1978
	S	Smith, 1977
	S	Vos, 1976
D	S	Abkemeier, 1975
	S	Akers, 1975
	S	Alexander, 1978
	S/C	Allen, F. R., 1977
	S	Altizer, 1977
	S	Andreozzi, 1975
	S	Anthony, 1978
	S	Arougheti, 1978
	S	Aveilhe, 1975
	S	Brandner, 1976
	C	Buckley, E. A., 1977

Algebra (cont.)

D	S	Butcher, 1976
	S/C	Chartoff, 1977
	S	Cross, 1974
	S	Crowe, 1975
	S	Dadas, 1977
	S	Davis, L. H., 1976
	S	Deep, 1977
	S	Dimsdale, 1976
	C	Floyd, 1976
	S	Friesen, 1976
	S	Gage, 1977
	S	Grady, 1976
	S	Hesemann, 1976
	S	Hoerbelt, 1977
	S	Hollowell, 1977
	S	Hutton, 1977
	S	Johnson, W., 1978
	S	Kahn, 1974
	S	Katz, 1974
	S	Koba, 1974
	S	Lee, J., 1978
	S	Levin, 1976
	S	Matty, 1978
	S	Mauthe, 1974
	S	Newman, 1974
	S	Olson, 1978
	S	Purakam, 1978
	S	Quinn, 1976
	S	Ray, 1978
	S	Reed, 1978
	S	Salhab, 1974
	S	Sears, 1978
	S	Seemes, 1978
	S	Settle, 1977
	S	Shafer, 1976
	S	Sharpton, 1977
	S	Smith, L., 1974
	S	Smith, W., 1978
	S	Spencer, 1976
	S	Staszkiewicz, 1978
	S	Straley, 1976
	S	Taylor, B., 1974
	S	Thompson, 1976
	S	Watland, 1976
	C	White, 1978
	S	Whitman, B.S., 1976
	S	Wilbur, 1974
E	S	Flexer and Wright, 1976
	S	Hymel, 1974
	S	Massey and Connen, 1975
	S	Matthews and Atkinson, 1975

Algebra (cont.)

E	S	McConnell, 1977, 1978
	E/S	Stanley, 1975
	S	Stanton and Pelavin, 1974
	E	Tatsuoka and Easley, 1963
	S	ED 085 255, 1973

Geometry (c-23)

A	E/S	Austin, 1976
	S	Carroll, 1977
	S	Ensey and Cooney, 1977
	S	Friedman, 1976
	S	Gearhart, 1975
	S	Hecht, 1978
	S	Pereira-Mendoza and Robbins, 1977
	S	Petrosko, 1978
	S	Post and Brennan, 1976
	S	Sowder, 1974
	S	Vos, 1976
D	S	Adams, 1978
	C	Alden, 1974
	S	Carroll, 1975
	S	Cavanaugh, 1978
	S	Chen, 1977
	S	Corwin, 1978
	S	Cummins, 1977
	E/S	Eastman, 1976
	S	Gearhart, 1975
	S	Golden, 1977
	S	Goodman, 1977
	S	Hagan, 1977
	S	Handler, 1977
	S	Herot, 1976
	S	Hollowell, 1977
	S	Ireland, 1974
	S	Keils, 1977
	S	King, 1975
	S	Lott, 1974
	S	Marine, 1977
	C	McManus, 1977
	S	Mohammad, 1978
	S	Monier, 1977
	S	Moresh, 1977
	S	Mueller, 1975
	C	Mulholland, 1977
	S	Nuspl, 1975
	S	Pribnow, 1978
	S	Raumin, 1974

Geometry (cont.)

D	S	Reesink, 1977
	S	Rose, R., 1977
	S	Smith, S., 1974
	S	Smith, W., 1978
	S/C	Tan, 1976
	E/S	Thomas, D., 1977
	S	Walker, 1974
	S	Wickless, 1974
	S	Wood, 1976
	S	Zucker, 1978
E	S	Elman, 1975
	S	Massey and Conner, 1977
	S	Scandura et al., 1975a
	C	Scandura et al., 1975b
	S/C	Tan, 1977
	C	Waller and Wright, 1965

Trigonometry (c-24)

D	S	Allen, H.D., 1977
	S	Evanovitch, 1975
	S	Huber, 1977
	S	Sears, 1978
	S	Smith, W., 1978
	S	Temple, 1977

Calculus (secondary school) (c-25)

A	C	Sorge and Wheatley, 1977
D	E	Kaufman, 1974
	S/C	Watson, 1977

Other courses (secondary school) (c-26)

A	S	Petrosko, 1978
D	S	Barger, 1975
	S	Davis, D. A., 1975
	S	Eschenburg, 1977
	S	Fischman, 1976
	S	Preston, 1975
	S	Schwartz, 1975
	S	Shirey, 1976
	S	Stiff, 1978

Other courses (secondary school)(cont.)

D	S	Strong, 1975
	E/S	Weare, 1975
E	S	Small et al., 1975

Career education (c-27)

D	E	LaMay, 1976
	S	Onyejuruwa, 1978

Other topics (c-30)

A	S	Anderson, 1976
	C	Chatterley, 1975
	C	Packer and Bain, 1978
D	C	Adi, 1977
	S	Baltz, 1977
	S	Brannen, 1978
	E	Campbell, 1978
	C	Carpenter, 1978
	C	Hunt, 1976
	S	Janovsky, 1976
	S	Kastner, 1976
	C	Keller, 1976
	S	Martinez, 1974
	C	McSurdy, 1975
	C	Michels, 1976
	C	Montano Midence, 1974
	C	Moore, H. R., 1974
	E	Nicholson, 1976
	C	Rickert, 1974
	C	Sadler, 1977
	S	Shafer, 1976
	S	Showers, 1974
	S/C	Stein, 1978
	C	Urion, 1976
	E/S	Wagner, 1977
	S	Weiss, 1976
	S	Whitman, B. S., 1976

Pre-calculus course (college) (c-31)

D	C	Brevit, 1976
	C	Childress, 1976
	C	Coon, 1974

Pre-calculus course (college)(cont.)

D	C	Dann, 1976
	C	Disko, 1974
	C	Dyce, 1978
	C	Graeber, 1975
	C	Herring, 1976
	C	Kipp, 1975
	C	Marchand, 1974
	C	Niedfeldt, 1976
	C	Olson, 1976
	C	Riddle, 1978
	C	Smith, M.L.A., 1976
	C	Vance, 1975
	C	Watkins, 1978
	C	Williams, D. R., 1976

College algebra (c-32)

A	C	Bohannon and Smith, 1978
	C	Maltbie et al., 1974
	C	McBride and Rollins, 1977
	C	Merritt, 1974
	C	Musser and Thompson, 1977
	C	Williams and Mick, 1976
D	C	Anderson, B., 1978
	C	Atkinson, 1974
	C	Atkinson, 1976
	C	Bates, 1978
	C	Beauvais, 1976
	C	Bratton, 1978
	C	Brennan, 1977
	C	Calarco, 1977
	C	Cole, 1977
	C	Coleman, 1975
	C	Cooper, 1978
	C	Daughdrill, 1978
	C	Dyer, 1976
	C	Ewing, 1974
	C	Gray, 1977
	C	Greenwood, 1978
	C	Guernsey, 1975
	C	Head, 1975
	C	Johnson, H., 1978
	C	Kerns, 1977
	C	Kersten, 1976
	C	Kipp, 1975
	C	Malin, 1974
	C	McBride, 1974
	C	McCreary, 1976
	C	McLeod, 1975

College algebra (cont.)

D	C	Miller, 1976
	C	Moore, H. R., 1974
	C	Morgan, M., 1978
	C	Neal, 1975
	C	Nikolaus, 1977
	C	O'Mahony, 1978
	C	Partin, 1974
	C	Rummel, 1977
	C	Sadler, 1977
	C	Snyder, 1977
	C	Tolar, 1975
	C	Ussery, 1974
	C	Wright, 1975
E	C	Parin, 1976
	C	Rotman, 1975

College intermediate algebra (c-33)

A	C	Forester and Michael, 1976
D	C	Bickerstaff, 1977
	C	Forester, 1976
	C	Keller, 1976
	C	Medusky, 1978
	C	Reese, 1977

College trigonometry (c-34)

A	C	Maltbie et al., 1974
	C	Merritt, 1974
D	C	O'Mahony, 1978
	C	Rummel, 1977
	C	Sadler, 1977
	C	Watkins, 1978
E	C	Greenberg and Tuckfield, 1973

College calculus (c-35)

A	C	Brechting and Hirsch, 1977
	C	Corn and Behr, 1975
	C	Dahlke, 1975
	C	Druff, 1974
	C	Kloppenstein, 1977

College calculus (cont.)

A	C	Kuehls, 1976
	C	Lucas, 1974
	C	O'Loughlin, 1976
	C	Palmer et al., 1978
	C	Pascarella (AVCR), 1977
	C	Pascarella (JER), 1977
	C	Pascarella, 1978
	C	Rubillo, 1977
	C	Shapiro, 1977
	C	Stephens, 1977
	C	Struik and Flexer, 1977
	C	Sullivan, 1976
	C	Vinner, 1977
	C	Whitely and Doyle, 1978
D	C	Appleby, 1975
	C	Armstrong, 1978
	C	Austin, 1975
	C	Basil, 1974
	C	Bystrom, 1976
	C	DeBoer, 1974
	C	Fowler, 1975
	C	Gosser, 1975
	C	Grigsby, 1974
	C	Hall, 1975
	C	Hansen, 1976
	C	Heeler, 1976
	C	Howell, 1978
	C	Hunt, 1976
	C	Lang, 1974
	C	Loomer, 1976
	C	Marchegiani, 1978
	C	Matthews, 1974
	C	McCool, 1974
	C	Moore, 1976
	C	Moulton, 1974
	C	Murphy, 1975
	C	Nance, 1975
	C	O'Loughlin, 1975
	C	Paige, 1974
	C	Pocock, 1974
	C	Sommers, 1974
	C	Stewart, 1975
	C	Strawn, 1975
	C	Stumbaugh, 1975
	C	Sullivan, 1975
	C	Swaney, 1975
	C	Taylor, 1977
	C	Verderber, 1975
	C	Washinger, 1974
	S/C	Watson, 1977
	C	Webster, 1978
	C	Woodard, 1976

College calculus (cont.)

E	C	Kohen, 1974
	C	Pascarella, 1977
	C	Townsend and Wheatley, 1973

College descriptive geometry (c-36)

D	C	Rankowski, 1975

College analytic geometry (c-37)

D	C	DeBoer, 1974
	C	McManus, 1977
	C	Murphy, 1975

College linear algebra (c-38)

A	C	Bittinger and Rudolph, 1974
D	C	Ducharme, 1974

Technical mathematics (c-39)

D	C	Boldt, 1977
	C	Goodson, 1975
	C	Hale, 1975
	C	Molina, A., 1977

Occupational, vocational-technical mathematics (c-40)

A	C	Wiggins, 1977
D	C	Bottorff, 1974
	C	Howlett, 1976
	C	Miller, L., 1978
	C	Roetter, 1976
	C	Spears, 1976

Business mathematics (c-41)

D	C	Bachor, 1977
	C	Brennan, 1977
	C	Hughes, 1977
	C	Quinn, 1974
	C	Shuch, 1976
	C	Smith, R., 1978
	C	Williams, J. W., 1976

College remedial mathematics (c-42)

A	C	Gemignani, 1977
	S/C	Kent, 1978
	C	McCann, 1977
	C	Williams and Mick, 1976
D	C	Akst, 1976
	C	Bankston, 1975
	C	Bencsik, 1977
	C	Berke, 1976
	C	Caillier, 1978
	C	Carr, 1977
	C	Chang, P., 1978
	C	Cleary, 1977
	C	Curl, 1976
	C	DeLoatch, 1978
	C	Drost, 1975
	C	Evans, 1975
	C	Fernando, 1977
	C	Gray, 1977
	C	Heaton, 1978
	C	Keating, 1978
	C	Klinger, 1974
	C	Medley, 1976
	C	Nowlan, 1978
	C	Olsen, J. C., 1974
	C	Pappin, 1974
	C	Rummel, 1977
	C	Shyers, 1976
	C	Wilson, 1977
	C	Wyatt, 1978
E	C	Muha, 1974

Adult basic education (c-43)

D	C	Ciriza, 1978
	C	David, 1978

Adult basic education (cont.)

D	C	Fischer, J., 1978
	C	Martin, 1975
	C	Schwartz, 1977

General education (c-44)

A	C	Catanzano and Godwin, 1977
	C	Friesen, 1978
D	C	Childress, 1976
	C	Goodrich, 1976
	C	Schwartzfisher
	C	Shevokas, 1975
	C	Smith, G. J., 1974
	C	Travis, 1977
	C	Vance, 1977
E	C	Friesen, 1974

Consumer mathematics (c-45)

D	S	Boling, 1977
	C	Underwood, 1977

Other college courses (c-48)

A	C	Houston, 1977
	C	Lesh, 1976
	C	Lesh, 1976
D	S/C	Allen, F. R., 1977
	C	Ayers, 1977
	C	Benson, 1977
	C	Boclair, 1974
	C	Buckley, C. J., 1977
	C	Caponecchi, 1974
	C	Kimes, 1974
	C	McBride, 1974
	C	Noone, 1977
	C	Ribley, 1977
	C	Rice, 1974
	C	Schmidt, 1974
	C	Sher, 1974
	C	Sklar, 1977
	C	Smith, C., 1978
	C	Watkins, 1978
	C	Zakkour, 1977

Textbooks (d-1)

A	E	Campbell, 1978
	E	Eisenberg and McGinty, 1975
	E	Epstein, 1976
	E	Jay and Schminke, 1975
	E/S	Kepner and Koehn, 1977
	C	Kuehls, 1976
	E	Price et al., 1977
	S	Rogers, 1975
D	S	Allen, H. D., 1977
	E	Babb, 1976
	S	Brown, 1974
	S	Bush, 1976
	E	Connell, 1978
	E/S	Crawford, 1975
	-	Ducharme, 1974
	E	Jones, 1974
	S	Kahn, 1974
	E	Lowery, 1976
	E	Mangru, 1977
	S	Mauthe, 1974
	C	Moulton, 1974
	E	Myles, 1976
	E	Nelson, 1977
	E	Polis, 1974
	E	Sangviriyakul, 1978
	S	Smith, W., 1978
	S	Temple, 1977

Workbooks, other printed materials (d-2)

D	E	Campbell, 1977
	S	Crandall, 1974
	E	Johs, 1975
	E	Yelton, 1977
E	E	Campbell, 1976a, b

Manipulative devices, games (d-3)

A	S	Allen and Main, 1976
	S	Allen and Ross, 1977
	C	Austin, 1974
	E	Bana and Nelson, 1978
	E	Barnett and Eastman, 1978
	S	Bledsoe et al., 1974
	E	Bourgeois and Nelson, 1977

Manipulative devices, games (cont.)

A	E	Claxton and Acres, 1978
	E	Dashiell and Yawkey, 1974
	S	DeVries and Edwards, 1974
	E	Fuson, 1975
	E	Greabell, 1978
	E	Grunau, 1978
	E	Hader, 1978
	S	Kuhfittig, 1974
	C	Laosa, 1976
	E	Lesh and Johnson, 1976
	C	Mayer, 1976
	C	McCann, 1977
	E	McLeod et al., 1978
	E	Peck and Jencks, 1976
	E	Prigge, 1978
	E	Schiller, 1977
	E	Scott and Neufeld, 1976
	E	Selman et al., 1976
	E	Uprichard and Collura, 1977
	E	Warkentin, 1975
	E	Wheatley, 1975
	[illegible]	Wollman and Lawson, 1978
	E	Zammarelli and Bolton, 1977
D	E	Adamson, 1976
	S	Allen, 1978
	S	Altizer, 1977
	E	Armstrong, 1974
	S	Ashby, 1975
	E	Babb, 1975
	E	Babb, 1975
	E	Baker, 1977
	E	Bazik, 1976
	E	Bernstein, 1974
	E	Brace, 1977
	E	Branch, 1974
	E	Brown, J. C., 1977
	E	Brown, R. E., 1976
	C	Buckley, E. O., 1977
	S	Burke, 1974
	S	Carter, 1975
	E	Chilewski, 1974
	C	Clark, 1974
	S	Corwin, 1978
	E	Crown, 1978
	S	Cummins, 1977
	E	Ellerbruch, 1976
	C	Fair, 1974
	E	Fishell, 1975
	S	Freitag, 1974
	S	Gast, 1978
	E	Generes, 1978

Manipulative devices, games (cont.)

D	E	Gilbert, 1975
	E	Gobbel, 1977
	C	Hall, R. H., 1975
	E	Hart, 1977
	S	Henry, 1974
	S	Hohlfeld, 1974
	E	Houtz, 1974
	E	Joyner, V., 1974
	E	Kapperman, 1974
	E	Kerr, 1974
	E	Kincaid, 1977
	E	King, V.C.R., 1976
	E	Kleinhaus, 1977
	S	Kurtz, 1977
	S	Ladd, 1974
	E	Mao, 1976
	S	Matthews, 1974
	E	Molina, N., 1977
	E	Monteiro, 1978
	E	Moscovitch, 1975
	S	Muzeroll, 1976
	E	Niver, 1977
	E	Olley, 1974
	E	Olson, S., 1977
	E	Pigford, 1975
	E	Punn, 1974
	E	Robinson, 1978
	E	Schoedler, 1976
	E	[illegible]hea, 1974
	E	[illegible]natra, 1976
	C	Smith, G. J., 1974
	S	Smith, J., 1974
	E	Smith, J. E., 1975
	E	St. Martin, 1975
	E	Steger, 1977
	E	Swanson, 1976
	E	Tobin, 1974
	S	Turner, 1978
	E	Wallace, 1974
	C	Webber, 1978
	E	Weiland, 1978
	S	Wescott, 1977
	E	Weusi-Puryear, 1975
	E	Wiebe, 1977
	E	Wolff, 1974
	E	Wood, 1974
	E	Yelton, 1977
E	S	Allen and Main, 1973
	S	Allen and Ross, 1974a, b
	S	Allen et al., 1975
	E	Behr, 1976a, b

Manipulative devices, games (cont.)

	C	Douthitt, 1973
	S	Edwards and DeVries, 1974
	E/S	Gerling and Wood, 1976
	S	Hulten, 1974
	C	Irons, 1974
	E/S	Kutz, 1977
	E	Lindvall and Light, 1974
	E	Nichols, 1976
	E	Robie et al., 1975
	C	Rotman, 1975
	E	Shores and Underhill, 1977
	E/S	Suydam and Higgins, 1977
	E/S	Trimmer, 1974

Audio-visual devices (d-4)

A	E	Anderson and Maguire, 1978
	C	Duby, 1978
	S	Ensey and Cooney, 1977
	E	Henderson and Swanson, 1978
	S	Hornik, 1978
	C	Williams and Mick, 1976
	C	Williams and Mick, 1976
D	C	Bowman, 1976
	E	Brawley, 1975
	S	Burns, 1974
	E/S	DelRegato, 1976
	E	Denman, 1975
	E	Gerling, 1978
	C	Glucksman, 1975
	C	Hurd, 1975
	-	Kirshner, 1977
	C	Medley, 1976
	C	Meyer, J. R., 1976
	C	Moore, 1976
	E	Murff, 1974
	C	Nixon, 1976
	C	Rankowski, 1975
	E	Rovet, 1977
	-	Schwieder, 1977
	S	Seemes, 1978
	S	Sharpton, 1977
	E	Tilson, 1978
	S	Wallace, 1976
	C	Wilson, 1977
E	E	Buchanan et al., 1974
	E/S	Henderson and Swanson, 1977
	S	Ludenman et al., 1973

Audio-visual devices (cont.)

E	E	Searle et al., 1976, 1977
	E	Tilson et al., 1978

Calculators (d-4a)

A	S/C	Coward, 1978
	E	Ethelberg-Laursen, 1978
	S	Gaslin, 1975
	S	Koller and Mulhern, 1977
	E	Lowerre et al., 1978
	C	O'Loughlin, 1976
	E/S	Palmer, H., 1978
	S	Rudnick and Krulik, 1976
	E	Scandura et al., 1978
	E	Schafer et al., 1975
	E	Schnur and Lang, 1976
	E/S	Yvon and Downing, 1978
D	E/S	Aldridge, 1977
	E	Allen, 1976
	S	Andersen, 1977
	C	Ayers, 1977
	C	Basil, 1974
	S	Bolesky, 1977
	S	Boling, 1977
	E	Borden, 1977
	C	Dyce, 1978
	C	Cooper, 1978
	E	Eckmier, 1978
	S	Fischman, 1976
	S	Gallery, 1978
	C	Gooden, 1978
	S	Hopkins, 1978
	S	Hutton, 1977
	S	Jamski, 1977
	E	Jones, E. W., 1976
	E	Kasnic, 1978
	E	Kobrin, 1978
	S	Laursen, 1978
	S	Lawson, 1978
	S	Lenhard, 1977
	-	Majumdar, 1977
	C	Mcanelly, 1978
	E	Miller, 1977
	S	Muzeroll, 1976
	E	Nelson, 1976
	C	Nichols, 1976
	C	O'Loughlin, 1975
	C	Olson, 1977
	S	Quinn, 1976

Calculators (cont.)

D	S	Shirey, 1976
	C	Shuch, 1976
	C	Smith, B., 1978
	E	Spencer, 1975
	E	Sutherlin, 1977
	-	Tashjian, 1977
	S	Temple, 1977
	S	Vaughn, 1977
	S	Wajeeh, 1976
	E	Whitaker, E., 1977
	E	Wilson, 1978
	S	Zepp, 1976
E	C	Bukowski, 1975
	E	Campbell and Virgin, 1976a, b
	C	Geisinger and Roberts, 1978
	S	Hopkins, 1978
	E/S	Suydam, 1976

Programmed instruction (d-5)

A	S	Anderson, 1976
	C	Behr and Eastman, 1975
	E	Dossey and Henderson, 1974
	S	Eastman, 1977
	S	Eastman and Behr, 1977
	S	Eastman and Carry, 1975
	E	Eastman and Salhab, 1978
	S	Geeslin and Shavelson, 1975
	S	Geeslin and Shavelson, 1975
	E/S	Jamison et al., 1974
	C	Kuehls, 1976
	E	Prigge, 1978
	S	Webb and Carry, 1975
D	S	Abkemeier, 1975
	C	Alden, 1975
	S	Andreoli, 1976
	E	Austin-Martin, 1976
	C	Bottorff, 1974
	S	Bowser, 1977
	C	Brennan, 1977
	S	Burns, 1974
	E	Chang, U., 1978
	S	Dietz, 1975
	E	Drum, 1974
	S	Elsberry, 1975
	S	Eshiwani, 1975
	E	Feldman, 1975
	C	Gerber, 1974

Programmed instruction (cont.)

D	S	Ginther, 1976
	E	Glavach, 1977
	C	Guernsey, 1975
	E	Horwitz, 1976
	S	Johnson, W. G., 1974
	?	Kirshner, 1977
	C	Lieblich, 1977
	S	Marine, 1977
	S	McClintock, 1975
	C	McCreary, 1976
	E	McGregor, 1976
	C	Medley, 1976
	C	Michels, 1976
	C	Molina, A., 1977
	E	Monteiro, 1978
	E	Nelson, M. N., 1975
	S	Newman, 1974
	C	Pappin, 1974
	S	Preston, 1975
	C	Reese, 1977
	C	Rice, 1974
	E	Rose, M., 1977
	S	Salhab, 1974
	E	Schneider, 1977
	S	Stiff, 1978
	E	Summerfield, 1975
	S	Taylor, 1975
	E	Thomas, 1974
	E	Thornell, 1975
	C	Webber, 1978
	S	Wenzelburger, 1975
	E	Willans, 1977
	S	Wise, 1974
	E	Wood, 1974
	S	Young, 1974
	S	Zepp, 1976
E	S	Brown, O. R., 1962
	E	Geeslin, 1973
	C	Mayer, 1974
	C	Raines, 1974
	E	Ronshausen, 1974
	S	Waters, 1973
	S	Wenzelburger, 1974

Audio/auto-tutorial programs (d-5a)

A	C	Hassett and Thompson, 1978
	C	Mayes et al., 1977
	C	Pascarella (AVCR), 1977
	C	Pascarella (JER), 1977

Audio/auto-tutorial programs (cont.)

D	C	Cole, 1977
	E	Dech, 1976
	C	Ferguson, 1977
	C	Millsaps, 1975
	C	Molina, A., 1977
	C	Montano Midence, 1974
	C	Simpson, 1975
	C	Smith, H., 1978
	C	Smith, J. E., 1976
	C	White, 1978
	C	Wilson, P., 1975

Computer-aided instruction (d-6)

A	E	Brown and Burton, 1978
	S	Buchman and Hawthorne, 1975
	S	Bukoski and Korotkin, 1976
	E/S	Jamison et al., 1974
	C	Mayer, 1976
	C	O'Loughlin, 1976
	E	Suppes et al., 1976
D	C	Atkinson, 1974
	E/S	Beauregard, 1976
	E/S	Cannara, 1976
	S	Chen, 1977
	C	DeBoer, 1974
	S	Denenberg, 1978
	C	Ducharme, 1974
	C	Heeler, 1976
	C	Kellogg, 1974
	C	Marchand, 1974
	C	Marcus, 1974
	C	McLeod, 1975
	S	Montgomery, 1976
	E	Moran, 1974
	E	Morris, 1976
	S	Pasquino, 1978
	C	Petersen, 1977
	S	Ray, 1978
	C	Scalzo, 1976
	S	Sears, 1978
	S	Shirey, 1976
	S	Temple, 1977
	E	Thompson, 1977
	C	Travis, 1978
	S	Wilkins, 1975
E	C	Anderson, E. R., 1975
	E	Fournier, 1975
	E	Smith, M. D., 1973

Tutorial CAI (d-6a)

A	E	Fisher et al., 1975
	E	Hall, 1974
	E	Houser and Trueblood, 1975
	C	Shapiro, 1977
D	E	Armstrong, 1974
	C	Bachor, 1977
	S	Baltz, 1977
	C	Burger, 1975
	S	Burruss, 1975
	S	Casner, 1978
	S	Di Napoli, 1975
	E	Dienes, 1974
	S	Flake, 1974
	E	Friesen, 1977
	E	Golton, 1976
	C	Goodson, 1975
	C	Hayden, 1978
	E	Houser, 1975
	C	Hughes, 1977
	S	Johnson, W. G., 1974
	E	Kaufman, 1974
	-	Laird, 1977
	E	Laudato, 1976
	E	MacLean, 1974
	-	McKnight, 1977
	C	Namkung, 1976
	C	Nuesse, 1975
	C	Paramore, 1976
	E	Philips, 1974
	C	Rappaport, 1977
	C	Rice, 1974
	C	Rizza, 1975
	E	Shipman, 1974
	E	Sinatra, 1976
	C	Strawn, 1975
	S	Taylor, 1975
	E	Whelchel, 1975
E	E	Durward, 1973
	E	Fisher et al., 1974a
	E/S	Fisher et al., 1974b
	E	Fletcher and Suppes, 1973
	E	Laudato and Roman, 1975
	E	Long and Riedesel, 1967
	E	Lorton and Seale, 1976
	C	Mitzel and Wodtke, 1965
	E	Morgan et al., 1977
	C	Netusil and Kockler, 1974
	E	Palmer, 1973
	E	Searle et al., 1973
	E	Stake, 1978

Non-tutorial CAI (d-6b)

A	C	Macnab et al., 1977
	C	Mayer (Dec.), 1975
	C	McCann, 1977
	S	Robitaille et al., 1977
D	S	Akkerhuis, 1974
	S	Andersen, E., 1978
	S	Andreoli, 1976
	C	Basil, 1974
	E/C	Beleutz, 1976
	S	Benner, 1975
	S	Bennet, 1975
	C	Bickerstaff, 1977
	S	Burns, 1974
	E	Clark, T. B., 1975
	S	Coppus, 1978
	E	Cranford, 1977
	C	Daughdrill, 1978
	S	Davison, 1974
	C	DeLoatch, 1978
	E	Elliott, 1974
	S	Eschenburg, 1977
	C	Hamrock, 1974
	E	Harris, 1977
	S	Katkiewicz, 1974
	S	Lamb, 1977
	C	Lang, 1974
	C	LeCuyer, 1977
	S	Mandelbaum, 1974
	C	McCool, 1974
	C	Moulton, 1974
	C	Murphy, 1975
	C	Owens, 1978
	C	Robb, 1975
	C	Shevokas, 1975
	C	Stewart, 1975
	C	Travis, 1978
	S	Vincent, 1978
	S	Wright, 1977
E	E	Austin, 1976
	C	LeCuyer, 1977
	E	Roecks and Chapin, 1977

Readability and vocabulary (d-7)

A	E	Boyce, 1978
	S	Dudley, 1977
	S	Hater and Kane, 1975
	C	Hudson and McIntire, 1977

Readability and vocabulary (cont.)

A	E	Knifong and Holtan, 1977
	C	Kuehls, 1976
	E	Linville, 1976
	C	Mayer (Apr.), 1975
	E	Moore and Paar, 1978
	E	Orpet, Meyers and Grein, 1976
	C	Rickards et al., 1976
	E	Sedlak, 1974
	E	Swain and Barik, 1978
	E	Thompson, 1974
D	C	Bankston, 1975
	S	Battista, 1978
	E	Brown, D. T., 1975
	C	Cossio, 1978
	E	Ebling, 1974
	S	Garbe, 1974
	C	Hall, 1975
	-	Hamadanizadeh, 1976
	E	Hamrick, 1977
	S	King, 1975
	E	Kolczynski, 1974
	E	Kossack, 1977
	S	Loehrlein, 1974
	E	McCormick, 1975
	S	Miller, M.S.M., 1975
	S	Mugavero, 1975
	E/S	Parler, 1975
	S	Riley, 1977
	E	Sedlak, 1974
	S	Sharpton, 1977
	C	Sher, 1974
	S	Smith, W., 1978
	E	Tanguma, 1978
	E	Tarleton, 1976
	S	Thomas, O., 1978
	S	Tsang, 1976
	C	Vanderber, 1975
	-	Wagner, R., 1977
	S	Wallace, 1976
	C	Watkins, 1978
	E	Wiebe, 1977
E	-	Battista, 1978
	E	Begle, 1973a
	S	Bye, 1975
	E	Knifong and Holtan, 1976
	E/S	McCabe, 1977
	E	Mohr, 1975
	E	Rayburn, 1974

Quantitative concepts in other curricular areas (d-8)

A	C	Bilbo and Milkent, 1978
	C	Callihan and Bell, 1978
	C	Feinberg and Halperin, 1978
	S	Hansen and Neujahr, 1974
	E	Kren and Huntsberger, 1977
	S	Lashier and Wren, 1977
	C	Lowenthal et al., 1978
	C	Morris et al., 1978
	C	Newman et al., 1974
	C	Palmer et al., 1978
	C	Reed and Wainman, 1978
	S	Renner et al., 1978
	E	Shann, 1977
	S	White, 1974
D	E	Abbott, 1974
	E	Barber, 1975
	S	Barron, 1975
	E	Becher, B., 1975
	C	Benson, 1977
	S	Bolesky, 1977
	S	Brames, 1977
	S	Brooks, H. J., 1975
	S	Brown, R. K., 1976
	C	Brown, S. P., 1976
	C	Buckley, E. O., 1977
	E	Burt, 1974
	S	Bush, 1976
	E/S	Calvey, 1978
	C	Cheng, W., 1977
	S	Cohen, C., 1978
	S	Drew, 1974
	E	Forseth, 1977
	S	Freeman, 1975
	S	Goldman, 1974
	E	Goodrum, 1978
	S	Gross, G., 1978
	S	Gross, L., 1978
	C	Guthrie, 1977
	E	Hudgins, 1978
	C	Juarez, 1978
	C	Johnson, R. S., 1974
	C	Kalish, 1974
	E	Kishta, 1974
	E	Krairojananan, 1974
	C	Learn, 1974
	C	Ledoux, 1974
	C	Lloyd, 1978
	C	Longmire, 1974
	E	Lutz, 1974

Quantitative concepts in other curricular areas (cont.)

D	C	Malone, 1978
	E	Manet, 1978
	C	Marcus, 1974
	S	Mauro, 1976
	S	McBride, 1978
	E	McIntyre, 1975
	C	Mcanelly, 1978
	E	Miller, 1974
	S	Miller, P., 1978
	E	Mosely, 1977
	S	Nyire, 1978
	C	Perkins, 1978
	C	Ramey, 1974
	S	Ruda, 1978
	S	Schaeffer, 1976
	C	Schiesler, 1978
	S	Schmeling, 1976
	E	School, 1977
	C	Shapiro, 1978
	C	Smith, B., 1978
	E	Smith, L. M., 1976
	C	Spears, 1976
	C	Spresser, 1978
	-	Szigg, 1978
	S	Taylor, C. A., 1978
	C	Theil, 1974
	C	Webber, 1978
	C	Wesney, 1978
	C	Williams, 1978
	C	Wyatt, 1978
E	E	Shann, 1975
	E	Shann et al., 1975
	E	Shapiro, 1973
	E	Shapiro and Aiello, 1974
	E/S	Silver et al., 1973
	S	Wheeler and Kass, 1977

Developmental projects (d-9)

A	E	Montgomery and Bennett, 1977
	E	Shann, 1977
D	E	Adamson, 1976
	E	Burtley, 1975
	S	Capell, 1974
	E	Chick, 1975
	E	Davidman, 1976
	E	Erlwanger, 1975

Developmental projects (cont.)

D	E	Eveland, 1975
	S	Fuys, 1975
	S	Golden, 1977
	E	Graeber, 1974
	E	Helms, 1974
	S	Jordy, 1976
	E	Karmos, 1975
	E	Krairojananan, 1974
	S	Krantz, 1974
	E	MacIntosh, 1976
	S	Mauthe, 1974
	E	Meyer, R. A., 1976
	E	Morrison, 1975
	S	Murphey, 1977
	E	Perham, 1974
	E	Philips, 1974
	E	Quinn, 1978
	E	Sharps, 1974
	S	Steadman, 1976
	E	Summerfield, 1975
	E	Vitale, 1976
	E	Wallen, 1976
	E	Weeks, 1978
	E	Whitaker, D., 1977
	S	White, 1974
	E	White, 1977
E	E	Abernatha and Wiles, 1975
	E	Barszcz, 1975
	E	Barszcz and Herbert, 1975
	E	Buchanan et al., 1974
	E/S	Colvin, 1973
	E	Dougherty and Herbert, 1975
	E	Herbert, 1974, 1975a,b,c,d
	E	Herbert et al., 1976
	E	Hubbard, 1972
	E	Hubbard and Buchanan, 1975
	S	Ikeda, 1965
	E/S	Lachat et al., 1977
	E	Montgomery and Whitaker, 1975
	E	Nichols, 1976
	E	Patterson, 1974
	E	Schall et al., 1975
	E	Shann, 1975
	E	Shann et al., 1975
	E	Shapiro, 1973
	E	Shapiro and Aiello, 1974
	E	Small and Herbert, 1976
	E	Tatsuoka and Easley, 1963
	E/S	ED 156 781, 1978
	S	ED 146 885, 1976

Diagnosis (e-1)

A	E	Dodd, 1975
	E	Goodstein and Kahn, 1974
D	E	Alexander, 1978
	C	Bowman, 1976
	E	Calhoun, 1976
	C	Clark, 1974
	E	Cohen, 1976
	E	Graeber, 1974
	E	Gramick, 1976
	S	Greenstein, 1977
	E	Heil, 1978
	E	Little, 1975
	E	Moudy, 1976
	C	Papandrea, 1975
	E	Smith, L. M., 1976
	E/S	Speer, 1977
	E	Woodson, 1977
E	E	MacKay, 1975
	E	Robitaille, 1976

Error analysis (e-1a)

A	E	Alderman, 1978
	E	Brown and Burton, 1978
	E	Cox (Feb.), 1975
	E	Cox (Nov.), 1975
	E	Engelhardt, 1977
	E/S	Howell, 1978
	S/A	Kent, 1978
	E	Knifong and Holtan, 1976
	S	Lankford, 1974
D	E	Baxter, 1974
	E	Blankenship, 1977
	E	Bosland, 1978
	E/S	Cannara, 1976
	E	Grossman, 1978
	S	Lawson, 1978
	C	Lazorack, 1974
	E	Logan, 1976
	C	Travis, 1978
E	E/S	Cox, 1974
	E	Eisenberg, 1974
	E	Feghali, 1976
	E/S	Graeber and Wallace, 1977
	S	Jerman, 1969
	E	Lindvall and Ibarra, 1978

Diagnostic procedures (e-1b)

D	C	Bystrom, 1976
	E	Crolley, 1976
	E	Oldaker, 1976
	E	Rooney, 1977
	E/S	Scheer, 1977
	S	Sigmund, 1974
	E	Welch, 1976

Remediation (e-2)

A	E	Cox (Feb.), 1975
	E	Dodd, 1975
	E	Feshbach and Adelman, 1974
	E	Lambert, 1976
	E	Moers and Harris, 1978
	E/S	Petry and Craft, 1976
	E	Stromer, 1977
	C	Williams and Mick, 1976
	C	Zimmerman et al., 1977
D	E/S	Aldridge, 1977
	E	Ali, 1978
	E	Beers, 1974
	C	Bencsik, 1977
	C	Berke, 1976
	E	Blankenship, E.W.L., 1976
	E	Bosland, 1978
	E	Calhoun, 1976
	C	Clark, 1974
	C	Cleary, 1977
	S	DeJarnette-Ondrus, 1978
	E	Denman, 1975
	C	Hunt, 1976
	C	Lazorack, 1974
	E	Lyon, 1975
	C	Marcus, 1974
	S	Miller, G. F., 1975
	E	Moudy, 1976
	E	Mueller, 1978
	E	Oldaker, 1976
	E	Quinn, 1978
	C	Ramey, 1974
	C	Rummel, 1977
	C	Travis, 1978
	E	Welch, 1976
	S	Wise, 1974
E	E	Anderson, A. L., 1976

Low achiever, underachiever (e-2a)

A	E	Cronbach and Webb, 1975
	E	Fennell and Trueblood, 1977
	S	Fitzpatrick, 1978
	E	Frelow et al., 1974
	E/S	Jones and DeBlassie, 1975
	E	Kratochwill and Demuth, 1976
	C	Merritt, 1974
	C	Miller, 1974
	E	Rogers et al., 1978
	E	Sepie and Keeling, 1978
	S	Thornburg, 1975
	E	Uprichard and Collura, 1977
D	E/S	Aldridge, 1977
	E	Buckley, 1974
	C	Caillier, 1978
	S	Capell, 1974
	E/S	Conradi, 1975
	E	Crandall, 1975
	E	Crown, 1978
	S	Dana, 1974
	E	Eckmier, 1978
	E	Epstein, 1976
	S	Eschenburg, 1977
	S	Fulmer, 1978
	E	Geer, 1978
	S	Glaman, 1975
	E	Gordon, 1978
	C	Gore, 1975
	S	Hagan, 1977
	E	Harrison, 1976
	E	Hutcherson, 1976
	S	Kaiser, 1974
	S	Krantz, 1974
	S	Ladd, 1974
	C	Lee, 1975
	E	Levine, 1976
	C	Lieblich, 1977
	S	Mandelbaum, 1974
	S	Martinez, 1974
	S	Mauthe, 1974
	S	McClenahan, 1975
	S	Miller, G. F., 1975
	S	Morales, 1978
	C	Papandrea, 1975
	C	Pearce, 1977
	E	Reed, 1977
	E	Roach, 1976
	E	Rooney, 1977
	E	Ross, G., 1977
	C	Rummel, 1977
	E	Schultz, 1976

Low achiever, underachiever (cont.)

D	E	Silverman, 1974
	C	Slate, 1975
	S	Tapp, 1978
	E	Waters, 1975
	S	Weaver, 1978
	S	Wu, 1974
E	E	Chow et al., 1976
	E	Coleman et al., 1973
	S	Higgins, 1974
	E	Osguthorpe et al., 1975

Slow learner (e-2b)

A	S	Starr, 1977
D	S	Gianulis, 1974
	S	Herot, 1976
	E	Matlow, 1977
	S	Simpson, 1974
	E	Smith, M., 1978
	S	Turner, 1978
E	S	Fox, 1976a, b

Mentally retarded (e-2c)

A	E/S	Antonak and Roberge, 1978
	S	Blackman et al., 1976
	E	Boersma and Wilton, 1976
	S	Borakove and Cuvo, 1977
	S	Bowser and Robinson, 1977
	E	Brekke and Williams, 1974
	E	Budoff and Gottlieb, 1976
	E/S	Carcozo and Allen, 1975
	E/S	Cherkes, 1975
	E	Cohn-Jones and Seim, 1978
	S	Das and Cummins, 1978
	E	Evans et al., 1974
	C	Fabre et al., 1978
	A	Gaylord-Ross, 1977
	E	Ghodsian and Calnan, 1977
	E	Haring and Krug, 1975
	S	Hayes and Prinz, 1975
	E	Jenkins and Mayhall, 1976
	E	Jenkins et al., 1974
	S	Koller and Mulhern, 1977
	S	Lesser et al., 1978

Mentally retarded (cont.)

A	S	Lutkus and Trabasso, 1974
	E	Mabee, 1978
	C	Maltbie et al., 1974
	E	Mellnick et al., 1974
	E	Meyers et al., 1978
	E/S	Miller, 1977
	E	Richardson et al., 1978
	E	Sedlak, 1974
	E	Spradlin et al., 1974
	E	Stowitschek and Hofmeister, 1974
	E/S	Webster and Schenck, 1978
	S	Yoshida, 1976
D	E	Abramson, M., 1978
	E/S	Antonak, 1976
	E	Arnold, 1976
	E	Boehmer, 1978
	S	Boyd, 1975
	E	Boylan, 1976
	E	Brawley, 1975
	E	Bunch, A. W., 1977
	S	Crockett, 1978
	E	DeVard, 1974
	E	DeWitt, 1977
	-	Duckett, 1977
	E	Elder, 1977
	C	Fair, 1974
	E	Fitzmaurice, 1976
	E	Gajar, 1978
	E	Garber, 1975
	E	Gargiulo, 1974
	E	George, 1974
	E	Gilbert, G. M., 1976
	E	Gironda, 1978
	E	Glavach, 1977
	E	Halpin, 1977
	E/S	Hamrin, 1975
	E	Holmes, 1974
	A	Jackson, G., 1977
	E/S/C	Johns, 1978
	E	Klein, 1974
	S	LaCoste, 1978
	E	Lawyer, 1974
	E	Levitt, 1977
	E	Malouf, 1977
	E	Markowitz, 1976
	S	Mayer, 1975
	E	McMurray, 1975
	E	Miller, 1974
	S	Miller, P., 1978
	C	Morley, 1974
	E	Mosely, 1977

Mentally retarded (cont.)

D	E	Myers, 1976
	E/S	Nelson, D. G., 1975
	E	O'Brien, 1974
	E/S	O'Hare, 1977
	S	Olion, 1974
	C	Reibetanz, 1975
	E	Reitz, 1975
	E	Rooney, 1977
	E	Schenck, 1978
	S	Schwartz, 1975
	-	Schwieder, 1977
	E	Sedlak, 1974
	E	Smith, M., 1978
	E	Spann, 1977
	C	Stellar, 1974
	E	Swenson, 1976
	E	Tashjian, 1977
	E	Thomas, O., 1978
	E	Tobin, 1974
	S	Valez-Serra, 1975
	S	Vincent, 1978
	E	Woodson, 1977
E	E	Abernatha and Wiles, 1975
	E/S	Cox, 1974

Tutoring (e-2d)

A	E	Blaney et al., 1977
	E	Fehlen, 1976
	E	Helwig and Griffin, 1974
	S	Horan et al., 1974
	E	Jenkins et al., 1974
	E/S	Rosen et al., 1978
	C	Shapiro, 1977
	E	Stowitschek and Hofmeister, 1974
D	S	Aiello, 1978
	E/S/C	Baker, D.V.H., 1975
	C	Carman, 1975
	C	Chen, 1975
	E	Crandall, 1974
	S	Crandall, 1975
	E	Crown, 1978
	S	DeCicco, 1974
	E/S	Fitz-Gibbon, 1976
	E	Geer, 1978
	E	Ham, 1978
	E	Hazal, 1975
	E	Johnson, W. N., 1975

Tutoring (cont.)

D	S	Kane, 1977
	S	Keefauver, 1977
	E	Kenemuth, 1975
	E	Levine, 1976
	C	Lieblich, 1977
	C	Liguori, 1974
	E	Morrissey, 1975
	E	Reitz, 1975
	E	Rich, 1977
	A	Roundtree, 1976
	E	Swenson, 1976
	S	Wu, 1974
E	E/S	Stanley, 1975

Enrichment (e-3)

A	E	Weissglass, 1977
D	E/S	Anderson, W. Charles, 1977
	S	Burke, 1974
	S	Jorgensen, 1974
	E	Koukeyan, 1977
	C	Matthews, 1974
	E	Rothbardt, 1977
	C	Walker, 1974

Overachiever (e-3a)

A	E	Cronbach and Webb, 1975

Acceleration (e-3b)

D	C	Coon, 1974
	S	Sharp, 1975
E	S	Flexer and Wright, 1976

Grouping procedures (e-4)

A	C	Brechting and Hirsch, 1977
	C	Chang, 1977
	C	Chatterley, 1975
	C	Dahlke, 1975

Grouping procedures (cont.)

A	E	Fennell and Trueblood, 1977
	E	Fesler et al., 1976
	E/S	Griggs, 1976
	C	Hassett and Thompson, 1978
	E	Hundert and Batsone, 1978
	E	Johnson et al., 1978
	C	Kloppenstein, 1977
	S	Kulm, 1977
	E	Leinhardt, 1977
	E	Mellon and Crano, 1977
	E/S	O'Brien and Shapiro, 1977
	C	Pascarella (JER), 1977
	C	Pelusso and Baranchik, 1977
	C	Rubillo, 1977
	E	Sagotsky et al., 1978
	C	Schoen, 1977
	E	Schunke, 1978
	E	Simmons and Wasik, 1976
	C	Struik and Flexer, 1977
D	S	Acquaviva, V. M., 1974
	C	Baldwin, 1977
	E	Ballain, 1978
	C	Boylan, 1976
	E	Boylan, 1978
	S	Burnight, 1975
	E	Burtley, 1975
	C	Chang, P., 1978
	E	Chanoine, 1977
	E	Chick, 1975
	C	Cleary, 1977
	C	Cole, 1977
	E/S	Colvin, 1977
	E	Crutcher, 1975
	E	Edwards, 1975
	S	Ellis, 1976
	E	Erlwanger, 1975
	S	Eschenberg, 1977
	C	Evans, 1975
	E	Eveland, 1975
	C	Ewing, 1974
	S	Ford, S., 1974
	E	Golton, 1976
	S	Gordon, 1976
	E	Graeber, 1974
	C	Greenwood, 1978
	S	Hagan, 1977
	E	Hartley, 1978
	E	Hatfield, 1977
	C	Head, 1975
	E	Henn, 1975
	E	Herman, 1978

Grouping procedures (cont.)

D	E	Hollis, 1975
	S	Horvath, 1976
	E	Jacob, 1977
	S	Jellema, 1976
	E	Johnson, B., 1977
	E	Karmos, 1975
	S	Kenny, 1975
	C	Kerrigan, 1976
	C	Klingbeil, 1975
	S	Korth, 1977
	E	Krammin, 1976
	S	Lewis, 1976
	C	Liguori, 1974
	E	Lober, 1974
	E	Loucks, 1976
	E	MacIntosh, 1976
	E	Marquez, 1977
	E/S	McClain, 1975
	E	Melvin, 1977
	C	Miller, L., 1978
	E	Morrison, 1975
	S	Morse, 1977
	E	Mouton, 1975
	E	Mullen, 1975
	E	Nelson, M. N., 1975
	C	Nikolaus, 1977
	C	Olsen, J. C., 1974
	E	Pate, 1977
	E	Pence, 1974
	E	Philips, 1974
	S	Powell, 1976
	S	Pribnow, 1978
	S	Prielipp, 1976
	E	Pusey, 1974
	S	Raumin, 1974
	S	Ricketts, D. L., 1976
	E	Robertson, 1976
	E	Romine, 1978
	S	Savage, 1978
	E	Sharps, 1974
	E	Sherry, 1975
	C	Smith, C. W., 1975
	E/S	Stewart, J., 1978
	S	Stone, 1975
	E	Swan, 1978
	C	Taylor, 1977
	E	Thomas, O., 1978
	E	Turner, 1975
	S	Vincent, 1978
	E	Wallen, 1976
	E	Waters, 1975
	S	Webb, N. M., 1978
	E	Wendt, 1975

Grouping procedures (cont.)

D	C	White, 1978
	C	Williams, D. R., 1976
	E	Wruble, 1975
	E	Yomtoob, 1975
E	E/S	Begle, 1975
	E	Brown and Wunderlich, 1976
	E	Crist-Whitzel and Hawley-Winne, 1976
	E	DiConstanzo, 1976
	E/S	Harris, 1975
	S	Hoile, 1974
	S	Huberty and Perry, 1976
	E	Johnson and Garcia-Quintaria, 1978a, b
	S	Kenny, 1975
	S	Kulm, 1973
	E	Lindvall and Light, 1974
	E	Loucks, 1976
	S	Massey and Conner, 1975
	E/S	Miller, R. L., 1976
	C	Pascarella, 1977
	E	Patterson, 1974
	E	Poll and Allegra, 1975
	E	Roberts, 1975
	E	Roecks and Chapin, 1977
	E	Ronshausen, 1974
	S	Schoen, 1975
	E/S	Schoen, 1976a
	E	Schoen, 1976b
	S/C	Schoen, 1976

Physical, psychological and/or social characteristics (e-5)

A	E	Bana and Nelson, 1977
	E	Barstis and Ford, 1977
	E	Blaney et al., 1977
	E	Blankenship and Lovitt, 1976
	S	Bowser and Robinson, 1977
	S	Brekke et al., 1977
	E	Brenton and Gilmore, 1976
	C	Brush, 1978
	E	Buriel, 1978
	E	Coulson and Howe, 1977
	S	DeVries and Edwards, 1974
	S	Ginther, 1978
	E	Gordon, 1977
	E/S	Griggs, 1976
	E	Guyer and Friedman, 1975
	E	Hall and Kaye, 1977

Physical, psychological and/or social characteristics (cont.)

A	E	Hall et al., 1977
	S	Hayes and Prinz, 1975
	E	Hendrickson and Uhrig, 1978
	C	Hennessy and Merrifield, 1976
	C	Horn and Turner, 1974
	S	House, 1975
	E	Hundert and Batsone, 1978
	E	Hundert et al., 1976
	E	Jerse and Facouri, 1978
	E	Kagan and Zahn, 1975
	E	Kagan et al., 1977
	E	Kelleghan, 1977
	E	Kerlin and Latham, 1977
	E	Kohn and Rosner, 1974
	E	Lindholm et al., 1977
	C	Lloyd, 1978
	E	Lopata and Pasnak, 1976
	E	Marholin et al., 1974
	E/S	Marjoribanks, 1977
	E	Marjoribanks (Feb.), 1978
	E	Marjoribanks (Jun.), 1978
	E	McCormick and Karabinus, 1976
	S	Merrifield and Hummel-Rossi, 1977
	C	Morris et al., 1978
	E	O'Leary and Schneider, 1977
	E	Oakland, 1978
	E	Oanh and Michael, 1977
	C	Ohlson and Mein, 1977
	E	Rubin and Balow, 1978
	[illegible]	Salvia et al., 1977
	E	Satterly, 1976
	E	Sepie and Keeling, 1978
	E	Sheehan and Marcus, 1977
	E	Skoczylas, 1975
	S	Stein et al., 1976
	E/S	Stewart and Louisa, 1976
	E/S	Strauch, 1977
	E	Suppes et al., 1976
	E	Thornell, 1977
	E	Touliatos et al., 1977
	C	Towle and Merrill, 1975
	E	Trown, 1978
	E	Ullman, 1977
	S	Velandia et al., 1978
	S	Walsh and Walsh, 1978
	E	Weinstein, 1977
	C	Williams and Mick, 1976
	E/S	Worner et al., 1977
D	E	Anderson, W. L., 1977
	E	Ardi, 1978

Physical, psychological and/or social characteristics (cont.)

D	C	Bachor, 1977
	C	Baldwin, 1977
	E	Balik, 1976
	E	Baltzell, 1977
	C	Beauvais, 1976
	S	Blake, 1977
	S	Boomer, 1974
	C	Bowling, 1975
	E	Boylan, 1976
	S	Bruning, 1975
	E	Bunch, A. W., 1977
	E	Chenault, 1977
	E	Cole, 1974
	S	Coppus, 1978
	E	Courtney, 1978
	C	Crumpton, 1978
	E	Cunningham, 1975
	E	Daugharty, 1974
	C	Davenport, 1978
	E	Davis, K.M.E., 1976
	E	Deboer, 1975
	E/S	DelRegato, 1976
	E	Donicht, 1975
	C	Downs, 1974
	E	Elder, 1977
	E	Espinosa, 1976
	E	Evans, 1977
	E/S	Feingold, 1977
	S	Ford, S., 1974
	E	Fowler, P., 1978
	E	Frew, 1975
	E	Friedman, 1977
	E	Frost, 1974
	E	Gabbard, 1978
	E	Gajar, 1978
	S	Garbe, 1974
	E	Gilbert, G. M., 1976
	S	Glaman, 1975
	S	Gordon, 1976
	E	Granado, 1976
	E	Green, 1974
	E	Gunnarsen, 1976
	C	Guth, 1974
	E	Hahn, 1975
	C	Hansen, 1976
	E	Harner, 1974
	E	Harris, 1974
	C	Hartfield, 1977
	E	Hellmann, 1976
	E	Hornblum, 1978
	E	Hunter, 1974
	S	Hyman, 1974

Physical, psychological and/or social characteristics (cont.)

D	S	Jackson, O., 1977
	S	James, B. J., 1976
	E	James, K. W., 1976
	S	Jellema, 1976
	E	Jepson, 1975
	S	Johnson, D., 1977
	E/S	Johnson, K., 1977
	C	Josephson, 1978
	E	Kaleta, 1976
	S	Kane, 1977
	E	Kapperman, 1974
	E	Kerr, 1974
	E	Kleinman, 1978
	E	Klosterman, 1974
	E	Knudsen, 1978
	C	Korb, 1974
	E	Kraft, 1977
	E	Kruglick, 1978
	E/S	Lowell, 1975
	E	Lowery, 1976
	E	Mao, 1976
	E/S	Marcus, 1975
	C	McCants, 1975
	C	Mein, 1974
	C	Michels, 1976
	C	Molina, A., 1977
	E	Montgomery, 1978
	E	Morgan, E., 1977
	E	Nelson, 1977
	C	Nettles, 1977
	E	Newton, 1977
	S	Ortiz-Franco, 1978
	S	Osborne, 1976
	E	Otto, 1975
	E	Padula, 1975
	E	Paretti, 1974
	C	Parker, 1977
	E	Perry, 1977
	C	Peterson, 1978
	S	Phillips, 1977
	C	Potter, 1975
	S	Rancifer, 1978
	C	Rappaport, 1977
	E	Reeves, 1975
	C	Ribley, 1977
	S	Ricketts, D. L., 1976
	E	Roach, 1976
	E	Romeo, 1975
	S	Rose, R., 1977
	E	Salopek, 1974
	C	Schiesler, 1978

Physical, psychological and/or social characteristics (cont.)

D	E/S	Schratz, 1976
	C/A	Sereno, 1976
	E	Sexton, 1977
	S	Sharpton, 1977
	E	Sherman, 1977
	E	Silvertooth, 1976
	C	Simmons, 1978
	E	Simmons, 1977
	E	Simpkins, 1975
	C	Smith, D. C., 1976
	E	Smith, D. S., 1974
	E	Smith, M. M., 1976
	E	Springer, 1978
	S	Starr, 1976
	E	Steger, 1977
	E	Stimson, 1977
	C	Strong, 1976
	S	Suttner, 1976
	E	Szykula, 1978
	E	Thomas, R., 1977
	S	Threadgill, 1977
	E	Trotta, 1975
	S	Tsang, 1976
	E	VanPutten, 1974
	C	Vance, 1977
	E	Varadi, 1974
	E/S	Wacksman, 1975
	E	Wagoner, 1975
	S	Wasung, 1976
	E	Weddington, 1977
	E	Wedin, 1977
	E	Wells, 1974
	S	Williams, 1977
	S	Williams, E. P., 1975
	E	Wimbush, 1977
	E	Windham, 1976
	E	Wojcik, 1975
	S	Wolff, 1977
	C	Woodard, 1976
	C	Yang, 1978
	C	Zakkour, 1977

E	S	Anderson, L. W., 1974
	E/S	Beckett, 1974
	S	Begle, 1972
	E	Show, 1976
	E	Clements and Tracy, 1975
	E	Coffland and Cuevas, 1977
	-	Collet, 1970
	-	Echternacht, 1976
	E	Fletcher and Suppes, 1973

Physical, psychological and/or social characteristics (cont.)

E	E	Gabbard, 1978
	S	Graening, 1971
	C	Greenberg, 1978
	E	Gordon, 1976
	E	Gurecki and Wurster, 1974
	E	Hartlage and Hartlage, 1974
	C	Hendel, 1977a, b
	E/S	Holt and Uhlenberg, 1978
	E	Kraft, 1976
	-	Lange, 1978
	E	Meyer and Wurster, 1972
	E	Mohr, 1975
	S/C	Ross and Fletcher, 1974
	E	Searle et al., 1973
	E/S	Silver et al., 1973
	E	Suppes et al., 1973
	-	Troutman, 1978
	E	Zellner and Wisner, 1977
	E/S	ED 113 198, 1975

Sex differences (e-6)

A	E/S	Beck, 1977
	S	Berry, 1978
	C	Brush, 1978
	E	Christoplos and Borden, 1978
	E	Dwyer, 1974
	E	Faggen-Steckler et al., 1974
	E/S	Fennema and Sherman, 1978
	S	Fennema and Sherman (AERJ), 1977
	E	Frazer et al., 1975
	E	Gregory, 1977
	E	Hilton and Berglund, 1974
	C	Horn and Turner, 1974
	E	Hunkler, 1977
	E	Jay and Schminke, 1975
	S	Karplus et al., 1977
	E/S	Kepner and Koehn, 1977
	E	Koff and Mokros, 1978
	S	Leder, 1974
	E	Lindholm et al., 1977
	S	Merrifield and Hummel-Rossi, 1977
	C	Michaels, 1978
	E	Mokos and Koff, 1978
	S	Murray, 1977
	E	Robinson and Gray, 1974
	S	Rogers, 1975
	E	Sauls and Beeson, 1976
	S	Shayer and Wylam, 1978

Sex differences (cont.)

A	S	Sherman and Fennema, 1977
	E	Stevenson et al. (Aug.), 1976
	E/S	Strauch, 1977
D	C	Bleyer, 1978
	E	Carey, 1978
	S	Duval, 1978
	E/S	Faw, 1978
	C	Fayock, 1978
	E	Fleniken, 1975
	E	Fluellen, 1975
	S	Fox, 1975
	E	Gabbard, 1978
	E	Gessner, 1978
	E/S	Hall, 1978
	S	Hinders, 1977
	S	Jacobs, 1974
	E	Karnovsky, 1974
	S	Keller, 1974
	S	McAffee, 1978
	S	McCarthy, 1976
	E	Montgomery, 1978
	C	Moss, 1976
	E	Mowder, 1977
	E	Nelson, 1977
	E	O'Brien, 1975
	C	Oliyaee-Zand, 1978
	C	Potter, 1975
	E	Purdy, 1976
	E	Rogerson, 1978
	S	Ryan, 1974
	E	Safran, 1978
	S	Schonberger, 1976
	E/S	Schratz, 1976
	S	Smead, 1977
	S	Starr, 1976
	E	Topping, 1976
	E	Wedin, 1977
	S	Young, C. A., 1975
E	C	Aiken, 1974
	E	Alpert and Hummell-Ross, 1975
	C	de Wolf, 1977
	E/S	Fennema, 1974, 1976a, b
	E/S	Fennema and Sherman, 1976
	S	Flexer and Wright, 1976
	E/S	Fox, 1975
	S	Fox, 1976a,b,c
	C	Hedges and Majer, 1976
	S	Kaminski, 1976
	E/S	McDaniel and Guay, 1976
	S	Merkel-Keller, 1977

Sex differences (cont.)

E	E	Pereira, 1973
	C	Sells, 1976
	-	Sherman, 1977
	-	Troutman, 1978

Socioeconomic differences (e-7)

A	E	Abelson et al., 1974
	E	Arzi and Amir, 1977
	S	Babad and Bashi, 1978
	E	Becker, 1977
	E	Bridgeman and Shipman, 1978
	S	David and Pelavin, 1978
	E	Eshel and Klein, 1978
	E	Feshbach and Adelman, 1974
	E	Hall and Kaye, 1977
	E	Hall et al., 1977
	S	Karplus et al., 1977
	A	Lloyd, 1978
	E	Morello et al., 1977
	S	Murphy, 1974
	E	Nelson and Klausmeier, 1974
	E/S	Petry and Craft, 1976
	E	Price et al., 1977
	S	Rakow et al., 1978
	E/S	Strauch, 1977
	E	Tobin and Bonner, 1977
	E	Touliatos et al., 1978
	E	Weldman and Brophy, 1974
D	E	Baltzell, 1977
	E	Bentley, 1976
	C	Berke, 1976
	E	Cranford, 1977
	E	Daugharty, 1974
	C	DeLoatch, 1978
	E	Donicht, 1975
	E	Fox, 1976
	E/S	Freda, 1976
	E	Gaines, 1978
	E	Graham, 1978
	E	Grimshaw, 1978
	E	Gunnarsen, 1976
	E	Herman, 1978
	E	Houtz, 1974
	C	Jackson, R. E., 1974
	C	Jemmott, 1978
	E	Jones, 1978
	E	Jones, T. L., 1976
	E	Kaspi, 1974
	S	Kelley, 1974

Socioeconomic differences (cont.)

D	E	Montgomery, 1978
	E	Perez, 1975
	S	Smith, J., 1974
	E	Steelman, 1977
	E	Steger, 1977
	C	Stewart, 1975
	E	Strok, 1975
	S	Valez-Serra, 1975
	E	Walker, 1977
	C	Webber, 1978
E	-	Cromer, 1978
	E/S	DeVault, 1977
	E	Entwisle and Webster, 1974
	E	Fisher et al., 1974
	E	Kerr, 1973
	E	Lindstrom and Shipman, 1972
	E	Meissner et al., 1972
	E	Rosenthal-Hill, 1971
	S	Thorndike, 1973
	E/S	Wells et al., 1974

Learning disabilities (e-8)

A	C	Bilbo and Milkent, 1978
	E	DeRuiter and Stramiello, 1978
	E	Ghodsian and Calnan, 1977
	S	Greenstein and Strain, 1977
	E	Hendrickson and Uhrig, 1978
	E	Magliocca et al., 1974
	E	McSpadden and Strain, 1977
	E	Meltzer, 1978
	E	Miller and Sabatino, 1978
	E	Ritter, 1978
	E	Strang et al., 1978
	E	Stromer, 1977
	E/S	Webster and Schenck, 1978
D	E	Arsi, 1978
	E/S	Austin, 1978
	E	Blankenship, 1977
	S	Bradley, 1978
	E	Brook, 1978
	S	Cunningham, 1978
	E	Doyle, B., 1978
	E	Ehnis, 1978
	E	Fafard, 1977
	S	Gallery, 1978
	E	Glavach, 1977
	E	Gonyo, 1977
	S	Greenstein, 1977

Learning disabilities (cont.)

D	E	Heil, 1978
	S	Kane, 1977
	E	Krakow, 1978
	E	Matlow, 1977
	E	McLeod, 1976
	E	Moroz, 1978
	E/S	O'Connell, 1976
	E	Ouder, 1978
	E	Randle, 1978
	E	Rooney, 1977
	E	Seifnaraghi, 1978
	E	Trepanier, 1978
	E	Welch, 1976
E	S	Collet, 1970
	E/S	Dwyer, 1976
	-	Echternacht, 1976

Testing (f-1)

A	E	Callison, 1974
	S	Dudley, 1977
	E	Eakins et al., 1976
	E	Epstein, 1976
	E	Frazer et al., 1975
	C	Harris and Liguori, 1974
	S	Kulm, 1977
	C	O'Neill et al., 1976
	C	Tittle, 1975
	C	Towle and Merrill, 1975
D	S	Carter, 1977
	E	Davis, K.M.E., 1976
	E	Downing, 1975
	E	Fenrow, 1975
	E	Hamzeh, 1978
	C	Hurd, 1975
	S	Keefauver, 1977
	C	Klingbeil, 1975
	E	Druglick, 1978
	E	Lazerick, 1976
	E	Long, 1976
	E	Paretti, 1974
	E	Reed, 1977
	E	Scott, 1978
	E	Shelton, 1975
	E	Slaughter, 1976
	E	Strok, 1975
	E	Thomas, R., 1977
E	C	Bell and Starkey, 1974
	C	Douthitt, 1978

Testing (cont.)

E	E/S	Dwyer, 1976
	E	Everett, 1976
	S	Ginther and Begle, 1975
	S	Gregory, 1974
	E	Halinski and Vogel, 1977
	E	MacKay, 1975
	C	Townsend and Wheatley, 1973

Analysis and validation of tests (f-1a)

A	C	Aiken, 1974
	E	Baum, 1975
	E	Beck, 1974
	E/C	Behr and Eastman, 1978
	C	Boldt, 1974
	S	Braswell, 1978
	C	Brooks and Hartz, 1978
	C	Brush, 1978
	S	Cohen, 1977
	C	Colgan, 1977
	E	Davenport, 1976
	E	Estes et al., 1976
	S	Feldt and Forsyth, 1974
	S	Ferguson and Schmeiser, 1978
	C	Forester and Michael, 1976
	E	Garigliano, 1975
	S	Ginther, 1978
	S	Greenstein and Strain, 1977
	E	Hadar and Henkin, 1978
	S	Hakstian and Kansup, 1975
	S	Hambleton and Traub, 1974
	E	Hanna, 1976
	E	Harris and Romberg, 1974
	S	Hartke, 1978
	S	Hecht, 1978
	E/S	Heyneman and Mintz, 1977
	E	Hoepfner, 1974
	E/S	Hogan, 1977
	S	Jansson, 1978
	E/S	Jones and DeBlassie, 1975
	S	Kansup and Hakstian, 1975
	E	Knapp, 1977
	E	Kratochwill and Demuth, 1976
	E	Lambert, 1976
	E	Mabee, 1978
	E	Macready, 1975
	S	Major and Michael, 1975
	S	[illegible]arco, 1977
	S	[illegible]c Cully, 1978
	E	Mellon and Crano, 1977
	E/S	Mercer, 1978
	S	Merrifield and Hummel-Rossi, 1976

Analysis and validation of tests (cont.)

A	S	Michaels and Forsyth, 1977
	C	Morris et al., 1978
	C	Musser and Thompson, 1977
	E	Oakland, 1978
	C	Petrosko, 1978
	E	Porter et al., 1978
	S	Renner et al., 1978
	E	Richardson et al., 1978
	S	Rowley, 1974
	E	Sachar, 1978
	E	Sepie and Keeling, 1978
	E	Sheehan and Marcus, 1978
	S	Sirotnik and Wellington, 1974
	C	Slinde and Linn, 1978
	E/S	Stewart and Louisa, 1976
	S	Waters, 1976
	E/S	Webster and Schenck, 1978
	E	Whyte, 1977
	S	Williams and Jones, 1974
	S	Yoshida, 1976
D	-	Ankney and Joyce, 1975
	C	Apter, 1976
	S	Balka, 1975
	E	Barco, 1977
	C	Barnes, 1978
	E/S	Beauregard, 1976
	E	Beers, 1974
	E	Bly, 1975
	S	Boulware, 1976
	C	Boveda, 1976
	E/S/C	Bowling, 1977
	C	Bowman, 1976
	C	Brooks, 1978
	S/C	Burney, 1975
	E	Coulson, 1974
	S	Cramer, 1975
	S	Cross, 1974
	C	Cruise, 1975
	E	Dayoub, 1974
	C	Disko, 1974
	S	Erker, 1974
	C	Flinn, 1976
	C	Forester, 1976
	C	Fryman, 1977
	E	Genrich, 1977
	C	Glucksman, 1975
	E	Golightly, 1977
	S	Graham, D. L., 1975
	S	Gramick, 1976
	S	Greenstein, 1977
	S	Haque, 1977
	E	Heil, 1978

Analysis and validation of tests (cont.)

D	S	Hering, 1976
	E	Holmes, 1975
	E	Joyner, V., 1974
	E	Kossack, 1977
	E	Lockwood, 1978
	C	Lopez, 1977
	E/S	Mamary, 1976
	C	Martin, 1975
	S	McCarthy, 1976
	E	Mowder, 1977
	S	Niemann, 1974
	E	Novak, 1974
	S	Nungester, 1977
	E	Olshen, 1976
	S	Peiffer, 1978
	S	Pipiyanuwat, 1977
	C	Price, 1975
	S	Ray, 1978
	E	Rossi, 1976
	S	Sandman, 1974
	C	Sanjivamurthy, 1978
	E	Smith, G., 1974
	S	Smith, G. C., 1975
	?	Smith, J., 1977
	C	Smith, R. M., 1976
	E	Sovchik, 1975
	S	Spencer, 1976
	?	Tashjian, 1977
	S	Taylor, C., 1974
	S	Thompson, 1976
	E	Thrash, 1978
	E	Tokar, 1974
	E	Tolman, 1976
	E	Vandever, 1977
	E	Vannice, 1976
	C	Washinger, 1974
	E	Wearne, 1977
	S	Wickless, 1974
	E/S	Wilburn, 1977
	S	Wolff, 1977
	S	Wozniak, 1977
	E	Yamada, 1976
	S	Zalewski, 1975
E	C	Anderson, E. R., 1975
	C	Axtell, 1974
	E	Begle, 1973a
	E	Behr and Eastman, 1975
	E/S	Bolig and Wall, 1976
	S	Brown, R., --
	E	Clarke, 1976
	E/S	DeGracie and Vicino, 1977
	E	Denmark, 1976

Analysis and validation of tests (f-1a)

E	S	Denny, R., 1974
	E	Filby and Dishaw, 1975, 1976
	E/S	Forbes, 1976
	E	Klausmeier et al., 1973
	E/S	Koffler, 1977
	C	Kohen, 1974
	E	Leiderman, 1971
	E	Lorton and Searle, 1976
	E	Marzano and Osband, 1975
	E/S	Mitchelmore, 1974
	E	Nolen et al., 1976
	E	Ozenne et al., 1974
	C	Pugh et al., 1969
	E/S	Robitaille and Sherill, 1977a,b,c,d
	E	Romberg, 1975
	S	Ruud, 1976
	-	Wall, 1977
	S	Zalewski, 1974a, b

Status testing (f-1b)

A	S	Beckmann, 1978
	S	Bower and Robinson, 1977
	S	Braswell, 1978
	E	Brenton and Gilmore, 1976
	S	Burns, 1976
	S	Carpenter et al., 1975
	E/S/C	Carpenter et al.
	E/S/C	Carpenter et al. (Oct.), 1975
	E	Coulson and Howe, 1977
	E/S	Essen et al., 1978
	S	Ferguson and Schmeiser, 1978
	S	Hart, 1978
	S	Jones et al., 1977
	E	Kraner, 1978
	S	McCully, 1978
	E	McWilliams and Thomas, 1976
	C	Modjeski and Michael
	S	Rakow et al., 1978
	S/C	Reys, 1978
	E	Scott, 1976
	S	Sweigert, 1977
	E/S	Werts and Hilton, 1977
	S	Wood, 1978
D	C	Cammaratta, 1974
	C	Fischer, J., 1978
	C	Flores, 1974
	S	Giesbrecht, 1978
	E	Granado, 1976
	C	Lunan, 1978
	C	Lyon, 1978

Status testing (cont.)

D	S	Maffei, 1977
	E	Ouder, 1978
	E	Person, 1976
	E	Plake
	E	Plake, B., 1977
	E	Souviney, 1977
	C	Webb, N. A., 1978
E	E/S	Conway et al., 1976
	E	Hedges, 1977
	S	Hitchcock and Pinder, 1974
	E	Hungerman, 1975, 1977
	S	Kaffine and Paulsen, 1971
	E	Leiderman, 1971
	S	Ludeman, 1976
	E	Rosenthal-Hill, 1971
	E	Virgin and Darby, 1974
	E	Virgin and Rowan, 1975
	E/S/C	ED 111 696, 1975
	E	ED 139 664, 1976
	E/S/C	ED 129 636, 1976
	E/S/C	ED 102 029, 1975
	E/S/C	ED 127 198, 1975

Achievement evaluation (f-2)

A		Abelson et al., 1974
	E	Airasian et al., 1977
	E	Anttonen and Fleming, 1976
	C	Baird, 1976
	E/S	Bowman and Fillos, 1978
	E	Cathcart, 1974
	E	Chang, 1976
	E	Cherry and Eaton, 1977
	E	Cole, 1974
	S	Cornelius and Cockburn, 1978
	-	Cowan and Clary, 1978
	S	David and Pelavin, 1978
	S	Fennema and Sherman (AERJ), 1977
	S	Fitzgerald, 1978
	S	Fitzpatrick, 1978
	E	Foch et al., 1977
	E/S	Fogelman, 1978
	E	Goodstein and Kahn, 1974
	E	Gregory, 1977
	E/S	Guay and McDaniel, 1977
	S	Hansen and Neujahr, 1974
	S	Hornik, 1978
	E	Hushak, 1977
	E	Jerse and Fakouri, 1978
	E	Kagan and Zahn, 1975
	E	Kagan et al., 1977
	E	Kellaghan, 1977

Achievement evaluation (cont.)

A	E/S	Layton and Chappell, 1976
	E	Lindholm et al., 1977
	E	Marjoribanks, 1975
	E	McWilliams and Thomas, 1976
	S	Murray, 1977
	E	Oanh and Michael, 1977
	S	Randhawa and Michayluk, 1975
	C	Remick and Miller, 1978
	S	Roger et al., 1977
	E	Rosner, 1974
	C	Stephens, 1977
	E	Stewart and White, 1976
	E/S	Strauch, 1977
	E	Willerman and Fiedler, 1977
D	E	Amthor, 1978
	S	Bell, D.P.D., 1975
	E	Bentley, 1976
	E	Birkhead, 1974
	E	Brossette, 1976
	C	Clewell, 1976
	E	Cole, 1974
	E	Courtney, 1978
	C	Fayock, 1978
	E/S	Freda, 1976
	C	Goodrum, 1978
	E	Gordon, 1978
	E	Green, 1974
	S	Grenier, 1976
	E	Harner, 1974
	E	Helms, 1974
	E	Hermansen, 1976
	C	Howlett, 1976
	E	Huff, 1978
	C	Hunter, 1975
	E	Hunter, 1974
	E	Jackson, 1978
	E	James, M. A., 1976
	E/S	Johnson, P., 1978
	S	Joyner, R., 1974
	E	Kaspi, 1974
	E	Keen, 1976
	S	Kelly, 1978
	C	Kimes, 1974
	S	Knott, 1974
	E	Leonard, 1975
	E	Levenberg, 1976
	E	Levenspiel, 1975
	E/S	Lowell, 1975
	E/S	Marcus, 1975
	E	McDonald, 1974
	C	Morley, 1974
	E	Muller, 1976

Achievement evaluation (cont.)

D	E	Murry, 1978
	S	Neimann, 1974
	C	O'Mahony, 1978
	S	Osborne, 1976
	E	Phelan, 1974
	C	Racette, 1978
	E	Rampaul, 1976
	E	Robinson, 1974
	E	Roderick, 1974
	C	Siegmeister, 1975
	C	Simmons, 1978
	E	Slaughter, 1976
	C	Smith, D. D., 1976
	E	Smith, L. M., 1976
	C	Stewart, W., 1978
	E	Stock, 1974
	C	Stones, 1978
	S	Suttner, 1976
	E	Szykula, 1978
	S	Taylor, B., 1974
	C	Thorne, 1975
	E/S	Vlahos, 1975
	E	Vogel, 1976
	S	Wasung, 1976
	C	Wright, 1975
	E	Ziesemer, 1975
	S	Zucco, 1975
E	S	Anderson, L. W., 1974
	E	Barszcz and Herbert, 1975
	C	de Wolf, 1977
	E	Dougherty and Herbert, 1975
	C	Greenberg and Tuckfield, 1973
	E	Lambert and Hartsough, 1976
	E/S	MacQueen and Coulson, 1978
	S	O'Reilly, 1976
	S	Otani, 1976
	E	Patterson, 1974
	E	Schall et al., 1975
	E	Small and Herbert, 1976
	E	ED 154 067, 1978
	E	ED 146 206, 1976

Related to age (f-2a)

A	E	Austin and Postlethwaite, 1974
	E/S	Fahrmeier, 1975
	E	Fogelman and Gorbach, 1978
D	E	Damuth, 1977
	E	Fitts, 1977

Related to age (cont.)

D	E	Fleniken, 1975
	E	Haines, 1976
	C	Smith, C., 1978
	E/S	Wacksman, 1975
E	E	Austin and Postlethwaite, --
	S	Flexer and Wright, 1976

Related to intelligence (f-2b)

A	S	Berry, 1978
	E	Brekke et al., 1976
	E	Crockett et al., 1976
	E	Gilbert, 1977
	E/S	Harnaqvist, 1978
	C	Hennessy and Merrifield, 1976
	E	James and Knief, 1978
	S	Kaltsounis, 1974
	E	Keim-Abbott and Abbott, 1977
	E/S	Moore et al., 1978
	S	Payne and Halpin, 1974
	E	Spiegel and Bryant, 1978
	S	Stanley, 1978
	S	Velandia et al., 1978
	S	Walsh and Walsh, 1978
	E	Whyte, 1977
D	S	Aveilhe, 1975
	C	Cammaratta, 1974
	S	Fowler, E., 1978
	E	Gironda, 1978
	S	Hall, 1976
	E/S	Hall, 1978
	C	Hansen, 1976
	E	Randeloff, 1978
	S	Richbart, 1978
	E	Roecks, 1978
	S	Salandanan, 1976
	C	Sereno, 1976
	S	Sharps, 1974
	S	Steadman, 1976
	E/S	Stewart, J., 1978
	E	Yates, 1975
E	E	Downs, 1976
	S	ED 148 644, 1959

Related to prediction (f-2c)

A	C	Aleamoni and Obeler, 1978
	C	Ameduri, 1974
	E	Barton et al., 1974
	S	Blackman et al., 1976
	C	Bohannon and Smith, 1978
	E	Bridgeman and Shipman, 1978
	C	Brooks and Hartz, 1978
	E	Buttram et al., 1976
	E	Carter et al., 1978
	C	Dahlke, 1974
	C	Druff, 1974
	E	Feshbach et al., 1977
	C	Fincher, 1974
	E	Flynn and Flynn, 1978
	C	Forester and Michael, 1976
	E	Forness et al., 1976
	E	Frazer et al., 1975
	C	Goldman et al., 1974
	C	Gussett, 1974
	E/S	Haney et al., 1977
	C	Hedges and Majer, 1976
	C	Henke, 1976
	C	Henson, 1976
	S	House, 1975
	E	Hunkler, 1977
	E/S	Jones and DeBlassie, 1975
	E	Klein, 1978
	E	Kohn and Rosman, 1974
	C	Larson and Scontrino, 1976
	S	Lehrer and Hieronymus, 1977
	E/S	Lloyd, 1976
	A	Lloyd, 1978
	S	Merrifield and Hummel-Rossi, 1977
	C	Modjeski and Michael, 1978
	S	Murphy, 1974
	E	Oakland, 1978
	E	Orpet, Meyers and Grein, 1976
	E/S	Petry and Craft, 1976
	S	Robitaille, 1975
	E	Rosmer, 1974
	E	Rubin, 1974
	E	Ryan and French, 1976
	C	Schoenfeldt and Brush, 1975
	E	Selman et al., 1976
	C	Sexton and Goldman, 1975
	E	Soli and Devine, 1976
	S	Sowder, 1974
	S	Stanley, 1978
	E	Steinbauer and Heller, 1978
	E	Stevenson et al. (Aug.), 1976
	E	Stevenson et al. (Oct.), 1976

Related to prediction (f-2c)

A	E	Suppes et al., 1976
	S	Taylor et al., 1976
	E	Telegdy, 1975
	C	Troutman, 1978
	E	Veldman and Brophy, 1974
	E	Wallbrown et al., 1977
	C	Wikoff and Kafka, 1978
	C	Zimmerman et al., 1977
D	E	Allen, P. G., 1975
	C	Altman, 1976
	C	Apter, 1976
	S	Barger, 1975
	E	Baust, 1976
	C	Brooks, 1978
	C	Brower, 1978
	E	Buckley, 1974
	C	Bunch, M. B., 1977
	E	Cellon, 1978
	C	Chumbley, 1977
	C	Ciriza, 1978
	C	Cole, 1977
	E	Cookson, 1978
	C	Cossio, 1978
	C	Doby, 1975
	C	Downs, 1974
	C	Dunigan, 1974
	C	Fenneman, 1974
	C	Foshay, 1978
	C	Fryman, 1977
	S	Fuys, 1975
	C	Gray, 1977
	C	Grigsby, 1974
	C	Guthrie, 1977
	C	Harris, 1975
	E	Harrison, 1976
	E	Hernandez, 1977
	E	Herring, 1974
	C	Hollman, 1977
	E/S/C	Johns, 1978
	C	Juarez, 1978
	E	Kantner, 1974
	S	Kirsch, 1974
	C	Knauss, 1976
	S	Koba, 1974
	S	Kratkiewicz, 1974
	C	Lazorack, 1974
	C	Longmire, 1974
	C	Lunan, 1978
	C	Malone, 1978
	C	Matthews, 1974
	S	Mauro, 1976
	E	McCormick, 1975

Related to prediction (cont.)

D	S	McKee, 1976
	C	Medusky, 1978
	C	Neal, 1975
	C	Noone, 1977
	E	Olson, S., 1977
	C	Perkins, 1978
	C	Petersen, 1977
	C	Peterson, 1978
	C	Pocock, 1974
	S	Reed, 1978
	E	Renner, 1974
	C	Ribley, 1977
	C	Riggs, 1974
	C	Robb, 1975
	C	Rowell, 1974
	E	Salopek, 1974
	E	Sexton, 1977
	E	Shelton, 1975
	S	Smith, G. C., 1975
	C	Sommers, 1974
	C	Spears, 1976
	C	Sprankel, 1976
	C	Stone, 1974
	S	Stuart, 1978
	C	Tangudtaisuk, 1975
	S	Taylor, C., 1974
	E	Tolman, 1976
	C	Visor, 1976
	C	Washinger, 1974
	S	Watland, 1976
	S	Whitehead, 1974
	S	Wilber, 1974
	E	Wilburn, 1974
	E	Wimbush, 1977
	C	Yang, 1978
	E	Zalewski, 1978
E	C	Axtell, 1974
	S	Denny, R. T., 1974
	S	Ginther and Begle, 1975
	C	Pugh et al., 1969
	E	Rosenthal-Hill, 1971
	C	Troutman, 1977

Effect of parental knowledge (f-3)

A	E	Barton et al., 1974
	E	Esterson et al., 1975
	E	Fowler and Richards, 1978
	E	Gold and Andres, 1978
	E	Jantz and Sciara, 1975

Effect of parental knowledge (cont.)

A	E	Marjoribanks, 1978
	E	Reis and Gold, 1977
	E	Touliatos et al., 1978
	E/S	Yvon and Downing, 1978
D	E	Bowick, 1976
	S	Fields, 1975
	E	Gunnarsen, 1976
	E	Hahn, 1975
	S	Hildebrandt, 1977
	E	Hunt, 1976
	E/S	Johnson, G., 1977
	E	Kameen, 1975
	E	Kincaid, 1977
	S	Mann, 1974
	E/S	Marcus, 1975
	S	McKee, 1976
	E/S	McMaster, M. K., 1976
	E	Nielsen, 1978
	E	Radeloff, 1978
	E	Rich, 1977
	S	Scaglione, 1975
	E	Smith, M. A., 1976
E	C	Bell and Starkey, 1974
	-	Henderson and Swanson, 1977
	S	Kaminski et al., 1976
	E	McKinney, 1975

Effect of teacher background and characteristics (f-4)

A	E	Acland, 1976
	E	Anttonen and Fleming, 1976
	S	Campbell and Schoen, 1977
	E	Crano and Mellon, 1978
	E	Crittenden, 1974
	S	Eisenberg, 1977
	E	Fennell and Trueblood, 1977
	E	Firestone and Brody, 1975
	S	Flener, 1978
	E	Good and Grouws, 1977
	E	Luce and Hoge, 1978
	S	Marjoribanks, 1978
	C	Packer and Bain, 1978
	E	Paulson, 1977
	S	Rakow et al., 1978
	E	Sheehan and Marcus, 1978
	E	Sherman et al., 1976
	E	Sorotzkin et al., 1974
	E	Stedman and Breen, 1977

Effect of teacher background and characteristics (cont.)

A	E	Stowitschek and Hofmeister, 1974
	E	Talmage and Hart, 1977
	E	Thornton, 1977
	E	Tobin and Bonner, 1977
	E	Veldman and Brophy, 1974
D	S/C	Allen, F. R., 1977
	E	Bagley, 1975
	E/S	Boardman, 1975
	E	Brossette, 1976
	S	Brown, 1974
	E	Buckley, 1974
	E	Burtley, 1975
	S	Capell, 1974
	E	Crouse, 1977
	E	Crutcher, 1975
	S	Devies, 1977
	E	Dodd, 1975
	E	Edwards, 1976
	E	Espinosa, 1976
	E	Farley, 1976
	E	Fenrow, 1975
	S	Fields, 1975
	E	Gines, 1978
	E	Hill, 1974
	E/S	Johnson, G., 1977
	E	Johnson, W. N., 1975
	S	Kendall, 1978
	E	Lorenz, 1978
	E	Loucks, 1976
	S	Lowman, 1977
	E	Morgan, R., 1977
	E	Neel, 1976
	E	Nolen, 1978
	E	O'Brien, 1975
	S	O'Donnell, 1976
	E	Perham, 1974
	E	Platter, 1976
	E	Prekeges, 1974
	S	Richardson, 1974
	E	Scott, 1978
	S	Smith, L., 1974
	E	Smith, M. A., 1976
	E	Sparks, 1977
	S	Swank, 1974
	E	Waite, 1976
	E	Woodson, 1977
E	E	Dodd, 1975
	E	Loucks, 1976
	S	McConnell, 1977, 1978
	E	Nolen et al., 1977
	E	Prekeges, 1973

Transfer (g-1)

A	S	Barszcz and Gentile, 1976
	E	Burton et al., 1975
	C	Mayer (Apr.), 1975
	C	Mayer, 1976
	E/S	Scandura, 1974
D	S	Bowser, 1977
	S	Ford, 1977
	E	Gast, 1976
	S	Rizza, 1975
	C	Shyers, 1976
	E/S	Weimer, 1975
	S	Wenzelburger, 1975
E	C	Tripp et al., 1974

Retention (g-2)

A	S	Anderson, 1975
	C	Callihan and Bell, 1978
	C	Dahlke, 1974
	E	Fehlen, 1976
	C	Harris and Liguori, 1974
D	S	Arougheti, 1978
	S	Bachmann, 1978
	E	Brockmann, 1978
	E	Culp, 1974
	E	Davis, S., 1978
	S	Dejarnette-Ondrus, 1978
	C	Duncan, 1976
	C	Herring, 1976
	E	Horwitz, 1976
	S	Levin, 1976
	E	Leviton, 1974
	E	Lockwood, 1978
	S	McClintock, 1975
	C	Miller, 1976
	S	Morales, 1978
	E	Moroz, 1978
	E	Mueller, 1978
	C	Nance, 1975
	S	Preston, 1975
	C	Reese, 1977
	C	Sanjivamurthy, 1978
	E	Smith, D. D., 1974
	C	Smith, H., 1978
	C	Smith, J. E., 1976
	E	Swatsenbarg, 1978
	E/S	Weimer, 1975
	C	Williams, J. W., 1976

Retention (cont.)

E	S	Begle et al., 1975a
	E	Burrows and Okey, 1975
	S	Cook, 1972
	C	Grunes, 1974
	S	Hymel, 1974
	C	Potts, 1973
	S	Smith, T. M., 1977
	S	Stanton and Pelavin, 1974
	S	Taylor, 1975
	S	Wenzelburger, 1974
	E/S	Womble, 1977

Generalization (g-3)

A	E/S	Scandura, 1974
D	C	Frazer, 1977
	E	Moscovitch, 1975
	C	Trudnak, 1975

Thought processes (g-4)

A	S	Airasian and Bart, 1975
	S	Anderson, 1976
	E	Balka, 1974
	C	Barnes and Clawson, 1975
	C	Behr and Eastman, 1975
	C/E	Bright, 1976
	E	Buriel, 1978
	C	Callihan and Bell, 1978
	C	Catazano and Godwin, 1977
	S	Davis et al., 1978
	S	Eastman, 1977
	S	Eastman and Carry, 1975
	C	Ehrenpreis and Scandura, 1974
	S	Flaherty, 1975
	E	Forman and McKinney, 1978
	S	Geeslin and Shavelson, 1975
	S	Geeslin and Shavelson, 1975
	S	Guyer and Friedman, 1975
	E	Hall and Kaye, 1977
	S	Hancock, 1975
	E	Harris and Romberg, 1974
	S	Haylock, 1978
	E	Houtz and Speedie, 1978
	E	Kaltsounis, 1974
	S	Karplus et al., 1977
	E/S	Kieren and Nelson, 1978
	E	Klausmeier and Feldman, 1975

Thought processes (cont.)

A	-	Lawton and Powell, 1978
	C	Lesh, 1976
	C	Lesh, 1976
	E	Lesh and Johnson, 1976
	E	Macready, 1975
	C	Mayer, 1974
	C	Mayer, 1976
	C	Mayer, 1978
	C	McCarthy, 1975
	E	McLeod et al., 1978
	E	McMurray et al., 1977
	E	McSpadden and Strain, 1977
	E	Meyer, 1978
	C	Packer and Bain, 1978
	E	Robinson and Gray, 1974
	E/S	Ronning, 1977
	S	Sagiv, 1978
	E	Satterly, 1976
	E/S	Scandura, 1974
	E	Schwebel and Schwebel, 1974
	-	Shavelson and Stanton, 1975
	S	Sowder, 1974
	C	Sowder, 1975
	E	Spiegel and Bryant, 1978
	E	Steele et al., 1974
	E/S	Uprichard and Phillips, 1977
	E	Watson, 1978
	S	Webb and Carry, 1975
	E/S	Wheatley et al., 1978
	C	Witkin et al., 1977
	E	Woods et al., 1975
	E	Zammarelli and Bolton, 1977
D	S	Abkemeier, 1975
	E/S	Ajose, 1975
	C	Alden, 1974
	E	Alderman, 1978
	C	Anderson, B., 1978
	S	Anderson, J. W., 1975
	S	Andreozzi, 1975
	E/S	Armstrong, 1977
	E	Ashby, 1977
	S/C	Auton, 1977
	E	Balik, 1976
	S	Balka, 1975
	E	Barco, 1977
	C	Bates, 1978
	S	Battista, 1978
	E/C	Beleutz, 1976
	S	Bennett, M. H., 1976
	C	Berke, 1976
	C	Berman, 1978
	E	Bien, 1974

Thought processes (cont.)

D	E	Blankenship, D. J., 1976
	S	Boomer, 1974
	S	Bowser, 1977
	E	Boyce, 1974
	E	Branch, 1974
	C	Brazier, 1975
	E	Broughton, 1975
	E	Brown, D. T., 1975
	C	Buckley, C. J., 1977
	S/C	Burney, 1975
	S	Burruss, 1975
	C	Callihan, 1976
	E/S	Cannara, 1976
	C	Caponecchi, 1974
	E	Carey, 1975
	E/S	Causey, 1977
	S	Cavanaugh, 1978
	E	Chang, U., 1978
	E	Charles, 1978
	S	Chen, 1977
	S	Cheng, S., 1977
	E	Chernick, 1975
	E	Chilewski, 1974
	S	Chrisman, 1975
	E	Clement, 1977
	E	Clothiaux, 1978
	C	Coleman, 1975
	S	Compton, 1977
	S	Coppus, 1978
	C	Curl, 1976
	S	DiNapoli, 1975
	S	Dirkes, 1975
	E	Elliot, 1976
	S	Elman, 1978
	E/S	Endicott, 1978
	E	Epstein, 1976
	S	Evanovitch, 1975
	C	Fair, 1974
	E	Feldman, 1975
	S	Fernandez, 1975
	C	Fisher, G. L., 1974
	E	Fitzgerald, 1978
	E	Gallicchio, 1977
	E	Geeslin, 1974
	S	Goodman, 1977
	C	Graber, 1975
	E	Gregerson, 1975
	C	Guthrie, 1978
	-	Hamadanizadeh, 1977
	S	Hamrin, 1975
	S	Handler, 1977
	S	Hartje, 1975
	E	Hayatgheib, 1978

Thought processes (cont.)

D	E	Hernandez, 1977
	E/S	Hill, T., 1977
	-	Hirst, 1977
	S	Hoerbelt, 1977
	S	Hollowell, 1977
	S	Hoogheem, 1977
	E	Horak, 1978
	E	James, 1974
	C	Josephson, 1978
	S	Jurdak, 1974
	C	Kellogg, 1974
	C	Kennedy, 1975
	C	Kersten, 1976
	S	Kim, 1975
	C	Korb, 1974
	E	Lancaster, 1975
	E	Lawver, 1974
	S	Lee, 1977
	S	London, 1976
	S	Luger, 1974
	E	Marliave, 1976
	C	Matthews, 1974
	S	Maxwell, 1975
	S	Mayer, 1974
	S	McBride, 1978
	S	McClintock, 1975
	E	McLeod, 1976
	E	Meyer, 1977
	C	Montano Midence, 1974
	E	Moore, 1977
	E	Morris, 1976
	C	Mulholland, 1977
	C	Paramore, 1976
	C	Partin, 1974
	S	Pasquino, 1978
	C	Payne, 1978
	E	Pereira, 1974
	E	Radeloff, 1978
	C	Rappaport, 1977
	C	Ribley, 1977
	E	Rosenberger, 1978
	S	Salandanan, 1976
	S	Schmidt, 1978
	E	Schneider, 1977
	E	School, 1977
	S	Semmes, 1978
	E	Shipman, 1974
	E/S	Silverman, 1978
	E	Sinatra, 1976
	C	Smith, C. D., 1976
	C	Smith, H., 1978
	E	Smith, J., 1978

Thought processes (cont.)

D	C	Snyder, 1977
	S	Speer, 1976
	S	Staszkiewicz, 1978
	C	Stellar, 1974
	S	Stiff, 1978
	C	Swaney, 1975
	S	Swank, 1974
	S	Taylor, 1975
	S	Taylor, C., 1974
	E	Thornell, 1975
	S	Tines, 1974
	E	Tripp, 1974
	C	Trudnak, 1975
	E	Vandever, 1977
	-	Wagner, R., 1977
	E	Wiesner, 1978
	E	Windham, 1976
	S	Wozniak, 1977
	C	Wright, 1976
	C	Young, 1975
	C	Zakkour, 1977
E	S/C	Branca, 1974
	E	Bright, 1974
	-	Brown et al., 1977
	S	Chrisman and Wheatley, 1976
	C	Davis, 1974
	E	DiConstanzo, 1976
	S	Eastman and Behr, 1976
	E/S	Fennema, 1976
	E	Geeslin, 1973
	S	Geeslin, 1974a, b
	-	Gerlach and Schmid, 1978
	E	Gordon, 1976
	S	Horwitz, 1975
	C	Johnson, M., 1975
	S	Jurdak, 1973
	E	Kennedy, 1974
	E	Klausmeier and Feldman, 1973
	E	Klausmeier et al., 1973a, b, 1976a
	E/S	Klausmeier et al., 1976b
	C	Lochhead, 1977
	C	Mayer, 1974
	C	McLeod and Adams, 1977
	E	Meyer, 1972
	E/S	Osborne and Bradbard, 1976
	E	Pereira, 1973
	E	Riley and Trabasso, 1973
	S/C	Ross and Fletcher, 1974
	S	Scandura et al., 1975a
	C	Scandura et al., 1975b

Thought processes (cont.)

E	E/C	Scardamalia, 1974
	-	Shavelson, 1974
	E	Shumway, 1972
	E	Smith, M. D., 1973
	E	Steffe, 1975
	E/S	Suydam and Osborne, 1975
	-	Vos, 1978
	S	Wheeler and Kass, 1977
	E/S	ED 133 179, 1976

Motivation (g-5)

A	E	Callison, 1974
	S	Cohen and Carry, 1978
	E	Cole, 1974
	S	DeVries and Edwards, 1974
	E	Fisher et al., 1975
	S	Frymier et al., 1975
	S	Gabor, 1975
	E	Greenwood et al., 1977
	E	Hall et al., 1977
	E	Haring and Krug, 1975
	C	Harris and Liguori, 1974
	S	Heller and White, 1975
	E	Kagan et al., 1977
	S	Kaltsounis, 1974
	S	Lehrer and Hieronymus, 1977
	E	Levenkron et al., 1974
	C	Michaels, 1978
	C	Pascarella (AVCR), 1977
	E	Ruhland et al., 1978
	E	Sagotsky et al., 1978
	E	Simmons and Wasik, 1976
	S	Stein et al., 1976
	E	Taffel, 1974
	E	Terry and Woods, 1975
	E	Vaillant and Choquette, 1977
D	S	Bonner, 1975
	S	Carter, 1975
	E/S	Eisenhardt, 1977
	E	Feighery, 1975
	E	Fontana-Durso, 1976
	E	Gaylord, 1976
	E	Generes, 1978
	E	Hazal, 1975
	S	James, B. J., 1976
	S	Kenny, 1975
	S	Levin, 1976
	C	Motowidlo, 1976

Motivation (cont.)

D	S	Smithson, 1974
	E	Wolff, 1974
	C	Wyatt, 1978
E	S	Cohen, 1976
	S	Kenny, 1975
	E	Klein and Schuler, 1974
	E	Klein and Thompson, 1975
	C	Michaels, 1975

Reinforcement (g-6)

A	C	Bates, 1976
	E	Boegli and Wasik, 1978
	E	Broughton and Lahey, 1978
	S	Flener, 1978
	E	Greenwood et al., 1977
	E	Groh and Groh, 1977
	E	Grunau, 1978
	E	Haring and Krug, 1975
	S	Heller and White, 1975
	E	Hundert and Batsone, 1978
	S	Lashier and Wren, 1977
	E	McLaughlin and Malaby, 1974
	C	Michaels, 1978
	E/S	Miller, 1977
	E	Morello et al., 1977
	C	O'Neill et al., 1976
	E/S	Page and Edwards, 1978
	E	Simmons and Wasik, 1976
	S	Stein et al., 1976
	E	Taffel and O'Leary, 1976
	S	Thornburg, 1975
	E	Thornell, 1977
	E	Vaillant and Choquette, 1977
	E	Walker and Hops, 1976
D	S	Arougheti, 1978
	E	Brook, 1978
	E	Brown, R. E., 1976
	S	Cunningham, 1978
	C	Dyer, 1976
	C	Espigh, 1974
	E	Gates, 1976
	E	Generes, 1978
	E	Grossman, 1978
	E	Grunau, 1976
	E	Hamzeh, 1978
	E	Hanze, 1976
	C	Hayden, 1978

Reinforcement (cont.)

D	E	Hazal, 1975
	E	Hellmann, 1976
	C	Jemmott, 1978
	-	Kirshner, 1977
	E	Lazerick, 1976
	E	Marcy, 1978
	E	Matlow, 1977
	S	Miller, B., 1978
	E	Monteiro, 1978
	S	Morales, 1978
	E	Morton, 1975
	C	Oliyaee-Zand, 1978
	C	Payne, 1978
	E	Rugerson, 1978
	E	Safran, 1978
	-	Schwieder, 1977
	E	Simmons, 1977
	C	Smith, A. F., 1976
	E	Snethen, 1976
	E	Swatsenbarg, 1978
	E	Thompson, 1977
	C	Urion, 1976
	E	Werstlein, 1978
	E	Williams, J. J., 1975
	E	Yelton, 1977
E	-	Boulanger, 1978
	E	Clements and Tracy, 1975
	S	Horwitz, 1975
	E	Mayhew and Crow, 1974
	C	Michaels, 1975
	E	Reiss et al., 1974
	-	Thurman et al., 1977
	C	Townsend and Wheatley, 1973

Knowledge of results (g-6a)

A	E	Hanna, 1976
D	S	Akers, 1975
	E	Hohlfeld, 1974
	E	Kaufman, 1974
	S	Thompson, 1976

Other reinforcement procedures (g-6b)

A	E	Evans et al., 1974
	E	Hundert et al., 1976

Other reinforcement procedures (cont.)

A	E	Lovitt and Smith, 1974
	E	Marholin et al., 1974
	E	Rollins et al., 1974
D	E	Alessi, 1974
	E	Alvarez, 1975
	E	Baxter, 1974
	E	Bennett, 1974
	E	Blankenship, 1977
	E	Blomstedt, 1974
	E	Boyle, 1975
	E	Broughton, 1977
	S	Dana, 1974
	S	Dimsdale, 1976
	E	Frew, 1975
	E	Friedman, 1977
	E	Frohwein, 1974
	E	Frydman, 1974
	E	Henderson, 1974
	E	Miller, 1974
	E	Otto, 1975
	S	Owen, 1974
	E	Riddle, 1974
	E	Ross, 1976
	E	Smith, D. D., 1974
	C	Stellar, 1974
	-	Whilby, 1976

Piagetian concepts (g-7)

A	E	Adams, 1978
	E	Adi, 1978
	E	Bailey, 1974
	E	Brush, 1978
	E	Carlson, 1976
	E	Carlson and Wiedl, 1976
	E	Cohen, H., 1978
	E	Cohn-Jones and Seim, 1978
	E	Coloutier and Goldschmid, 1976
	E	DeVries, 1974
	E	Dean, 1976
	E	Ginsberg, 1978
	E	Grunau, 1978
	E	Henderson and Swanson, 1978
	E/S	Hook, 1978
	E/S	Irwin et al., 1978
	E	Katz and Beilin, 1976
	E	Kidder, 1976
	E/S/C	Lawson et al., 1978
	S	Lesser et al., 1978

Piagetian concepts (cont.)

A	E/S	Lester, 1975
	E	Martin, 1976
	E/C	McGhee, 1976
	E	Melnick et al., 1974
	E	Meltzer, 1978
	E	Miller and Meltzer, 1978
	E	Moyer, 1978
	E	Muller, 1978
	S	Renner et al., 1978
	E	Rubin, K. et al., 1978
	S	Shayer and Wylam, 1978
	E	Versey, 1978
	E	Walkerdine and Corran, 1978
	E	Weiner, 1974
	C	White and Ferstenberg, 1978
	E	Winer and Kronberg, 1974
	E	Youniss and Dean, 1974
D	E/S	Ankney and Joyce, 1975
	E	Balestra, 1978
	C	Barnes, 1978
	E	Barr, 1976
	E	Barton, 1975
	E	Baust, 1976
	E	Beers, 1974
	C	Bencsik, 1977
	E	Bingham-Newman, 1975
	E/S	Calvey, 1978
	E	Clothiaux, 1978
	E/S	Conan, 1978
	E	Cookson, 1978
	S	Cummins, 1977
	E/S	Davidson, 1975
	E	Davis, F.R.A., 1976
	S	Days, 1978
	E	Dettrick, 1975
	E	Dorsey, 1978
	E	Doyle, J., 1978
	E	Elder, 1977
	E	Genrich, 1977
	E	Gordon, 1978
	S	Grady, 1976
	S	Gross, G., 1978
	E/S	Guerin, 1975
	E	Irmen, 1976
	S	Janovsky, 1976
	C	Johnson, H., 1978
	E	Kennard, 1978
	E	Krakow, 1978
	E/C	Leahey, 1975
	E	Lee, K., 1978
	E	Malak, 1977
	E	Manning, 1976

Piagetian concepts (cont.)

D	E/S	Martin, 1975
	E	McCabe, 1978
	S	McClenahan, 1975
	E	McGillicuddy-DeLisi, 1977
	E/S	McMurry, 1975
	C	Moreth, 1978
	E/S	O'Hare, 1977
	E	Omari, 1976
	E	Patterson, 1978
	S	Reed, 1978
	E	Rheinheimer, 1977
	E	Saunders, 1977
	E	Schultz, 1978
	A	Sheehan, 1977
	E	Simpkins, 1975
	E	Smith, G., 1974
	S	Speer, 1976
	E	Trepanier, 1978
	E	Ulrich, 1978
	E/S	Wagner, J., 1977
	-	Wagner, R., 1977
	E	Waite, 1976
	E	Walker, 1978
E	S	Dettrick, 1975
	-	Dunlop and Fazio, 1976
	E	Juraschek, 1974
	E	Kraft, 1976
	C	Kulm, 1977
	S	Ruud, 1976
	E	Steffe, 1975
	E	Webb, 1973
	E	Wong, 1977

Conservation (g-7a)

A	E	Anderson and Clark, 1978
	E	Barry, 1978
	E	Barstis and Ford, 1977
	E	Bearison, 1975
	E	Becher, 1977
	E	Becher, 1978
	E	Boersma and Wilton, 1974
	E	Boersma and Wilton, 1976
	E	Botvin and Murray, 1975
	E	Brainerd, 1974
	E	Brainerd, 1977
	E	Brainerd and Fraser, 1975
	E	Brekke and Williams, 1974
	E	Brekke et al., 1976
	S	Brekke et al., 1977

Conservation (cont.)

A	E/S	Carcozo and Allen, 1975
	E	Carpenter, 1975
	E	Carpenter and Lewis, 1976
	E	Charbonneau and Robert, 1977
	E	Dean, 1976
	E	Denny et al., 1977
	A	Fabre et al., 1978
	A	Gaylord-Ross, 1977
	E	Hademenos, 1974
	E	Hamilton and Moss, 1974
	E	Henry, 1976
	E	Hofmann and Trepanier, 1975
	E	Holland and Palermo, 1975
	A	Hughston and Protinsky, 1977
	E	Hunt, 1975
	E	Inagaki and Hatano, 1977
	E	Johnson and Howe, 1978
	E	Larsen and Kellogg, 1974
	E	Lawson, 1976
	E	Lawson et al., 1974
	E	Litrownik et al., 1978
	E	Lopata and Pasnak, 1976
	E	Martinko and Clifford, 1978
	E	May and Tisshaw, 1977
	E	Miller, 1976
	E	Miller, 1977
	E	Miller and Brownell, 1975
	E	Miller and Heldmeyer, 1975
	E	Miller and West, 1976
	E	Mpiangu and Gentile, 1975
	E	Murray and Johnson, 1975
	E	Murray et al., 1977
	E	Nelson, 1974
	E	Nyiti, 1976
	E	Oppenheimer and Strauss, 1975
	E	Orpet et al., 1976
	E	Orpet, Meyers and Grein, 1976
	E	Parish and Wheatley, 1975
	E	Peck and Jencks, 1976
	E	Peisach and Hardeman, 1975
	E	Phye and Zimmerman, 1976
	A	Protinsky and Hughston, 1978
	E	Riggs and Nelson, 1976
	E	Robert and Charbonneau, 1978
	E	Ruble, 1975
	E	Russac, 1978
	E	Samuels, 1976
	E	Selman et al., 1976
	E	Sheppard, 1974
	E	Silver, 1976
	E	Silverman et al., 1976
	E	Smith and Padilla, 1977

Conservation (cont.)

A	E	Strauss and Liberman, 1974
	E	Swebel and Swebel, 1974
	E	Taloumis, 1975
	E	Wheatley, 1975
	C	White and Friedman, 1977
	E	White et al., 1978
	E	Whiteman, 1976
	E	Whyte, 1977
	E	Winer, 1974
	E	Winer and Kronberg, 1974
	E	Winkelman, 1974
	E/S	Worner et al., 1977
	E	Wright et al., 1976
	E	Za'Rour and Panaouri-Kilaniotis, 1977
D	E	Abbott, 1974
	E	Abramson, M., 1978
	E	Armah, 1977
	E	Becher, R., 1975
	E	Bohm, 1976
	E	Bowman, M. B., 1975
	E	Boyce, 1974
	E	Brace, 1974
	E	Bradley, 1977
	E	Brown, J. M., 1976
	E	Clifton, 1977
	E	Cooley, 1978
	E/S	D'Errico, 1977
	E	Dahl, 1977
	E	Dolecki, 1976
	E	Fabricant, 1974
	E	Fink, 1974
	E	Fleming, 1977
	E	Forsberg, 1974
	E	Fournier, 1977
	E	Gates, 1976
	E	Halpin, 1977
	E	Haynes, 1974
	E	Heggins, 1976
	E	Hill, D., 1977
	E	Hogan, 1976
	E	Hornblum, 1978
	E	Hurley, 1978
	E	James, K. W., 1976
	E	Jensen, 1974
	E	Jepson, 1975
	E	Johnson, J., 1977
	E	Kaplan, 1976
	E	Kishta, 1974
	E	Kleinman, 1978
	E	Kraft, 1977

Conservation (cont.)

D	S	LaCoste, 1978
	E	Lawson, 1978
	E	Madden, 1975
	E	McCallum, 1978
	E	McKee, 1974
	E	Michaels, 1977
	E	Moffett, 1978
	E	Moore, 1977
	E	Mpiangu, 1974
	E	Mwangangi, 1975
	E/S	Nelson, D. G., 1975
	E	Noval-Ambrosino, 1977
	E	Omotoso, 1975
	E	Pennington, 1977
	S	Phillips, 1977
	E	Plato, 1975
	E	Pungah, 1976
	E	Russac, 1977
	E	Salviani, 1978
	E	Seifnaraghi, 1978
	E/S	Silliphant, 1975
	E	Smith, J. E., 1975
	E	Smith, R. C., 1977
	E	Sohns, 1974
	E	Souviney, 1977
	E	Springer, 1978
	E	Stannard, 1977
	E	Strickland, 1977
	E	Swanson, 1976
	E/S	Thomas, D., 1977
	E	Thoms, 1978
	C	Thorne, 1975
	E	Vadhan, 1976
	E	Wagner, 1978
	E	Wedin, 1977
	E	Williams, P. D., 1975
	E	Wong, 1976
	E	Woodward, 1978
	E	Zellner, 1974
	E	Zilkha, 1978
E	E	Toniolo and Hooper, 1975
	S	Wagner, 1977
	E	Walker, 1975

Transitivity (g-7b)

A	E	Brainerd, 1974
	E	Johnson (SSM), 1977
	E	Toussaint, 1974

Transitivity (cont.)

D	E	Boyce, 1974
E	E	Toniolo and Hooper, 1975
	-	Zellner and Wisner, 1977

Classification and seriation (g-7c)

A	E	Achenbach and Weisz, 1975
	E	Bingham-Newman and Hooper, 1974
	E	Denney and Acito, 1974
	E	Henderson et al., 1975
	E	Johnson, 1974
	E	Johnson (JRME), 1977
	E	Okonji, 1974
	E	Ruble, 1975
	E	Toussaint, 1974
	E	Whyte, 1977
D	E	Blackstock, 1975
	E	Broughton, 1975
	E	Crowley, 1976
	E	DeSpain, 1977
	E/A	Gascon, 1976
	E	Jamison, 1976
	E	Kaleta, 1976
	E	Klein, 1974
	E	Lagattuta, 1975
	E/S	Martin, 1978
	E	Meyer, 1977
	E	Omotoso, 1975
	E	Peterson, 1976
	E	Prewitt, 1976
	-	Schwieder, 1977
	E	Smith, J., 1978
	E	Souviney, 1977
	E	Steelman, 1977
	E	Steiniger, 1976
	E	Swanson, 1976
	E	Vitale, 1976
	E	Wisener, 1976
	E	Young, 1974
	E	Zellner, 1974
E	E	Hooper et al., 1974
	E	Meyer, 1974
	-	Zellner and Wisner, 1977

Other Piagetian ideas (g-7d)

A		Achenbach and Weisz, 1975
	E	Brainerd, 1974
	E	Brainerd and Vanden Heuvel, 1974
	E	Carter, 1974
	E/C	Chapman, 1975
	E	Jamison, 1977
	E	Kalil et al., 1974
	S	Lutkus and Trabasso, 1974
	E	Niebuhr and Molfese, 1978
	E	Robinson, 1975
	E	Siegel et al., 1978
	E	Silver, 1976
	E	Tatarsky, 1974
	E	Whyte, 1977
D	C	Adi, 1977
	E	Boulanger, 1974
	E	Daugharty, 1974
	E	Harvey, 1977
	E	Howlett, 1974
	E	Jacobson, 1977
	E	Jones, L., 1974
	E	Markel, 1974
	E	Ohe, 1978
	S	Phillips, 1977
	S	Reesink, 1977
	E	Sohns, 1974
	E	Tokuno, 1978
E	E	Hooper et al., 1975
	E	Robinson, 1969
	E	Steffe, 1976
	E	Wilkinson, 1975

Pre-service (t-1)

A	E	Faggen-Steckler et al., 1974
D	E/S	Maxwell, 1976
	S	Tsang, 1976

Pre-service competency levels (t-1a)

A	E	Adi, 1978
	E/C	Behr and Eastman, 1978
	E	Damarin, 1977
	E	Damarin, 1977

Pre-service competency levels (cont.)

A	E/S	Easterday and Henry, 1978
	E	Eisenberg and McGinty, 1974
	S	Henry and Rowsey, 1978
	S	Jamski, 1977
	S	Johnson and Byars, 1978
	E	Juraschek, 1978
	E	McLeod et al., 1978
	E	Olson, 1977
	E/S	Petry and Craft, 1976
	E	Pigge et al., 1978
	E	Rowsey and Henry, 1978
	E	Vest, 1978
D	S	Bennett, M. H., 1976
	E	Damarin, 1977
	E	Dietz, 1975
	E	Eisner, 1975
	E	Leach, 1974
	S	McCowan, 1976
	E	Pitts, 1974
	E	Schivley, 1977
	E	Shipman, 1974
	E/S	Silverman, 1978
	S	Tilton, 1976
	E	Tolman, 1976
	E	Tripp, 1974
	E	Urdaneta, 1976
E	E	Behr and Eastman, 1975
	E	Gordon, 1976
	E	Juraschek, 1974

Pre-service preparation procedures (t-1b)

A	E	Barnett and Eastman, 1978
	E	Bausell et al., 1975
	C	Behr and Eastman, 1975
	C/E	Bright, 1976
	C	Catanzano, 1977
	E	Crittenden, 1974
	E	Dayoub, 1976
	E	Dodd, 1975
	E	Dossey and Henderson, 1974
	E	Eastman and Salhab, 1978
	E	Eisenberg and McGinty, 1975
	S	Ensey and Cooney, 1977
	E	Fehlen, 1976
	E	Fennell and Trueblood, 1977
	E	Flexer, 1978
	E	Ford and McLeod, 1977

Pre-service preparation procedures (cont.)

A	E	Hendrickson and Uhrig, 1978
	E	Hope and Aikenhead, 1974
	E	Houser and Trueblood, 1975
	E	Lerch, 1974
	C	Schoen, 1974
	E	Schoen and Kreye, 1974
	E	Sovchik, 1977
	C	Sowder, 1975
	E	Swadener, 1978
	E	Thornton, 1977
	E/S	Trent, 1978
	E	Warkentin, 1975
	E	Webb and Sherrill, 1974
	E	Weissglass, 1977
D	E	Anfin, 1976
	E	Armstrong, 1974
	E	Arsanam, 1977
	E	Badmus, 1975
	E	Beamon, 1976
	E	Benton, 1977
	E	Blackwood, 1975
	C	Carpenter, 1978
	E	Cathcart, 1975
	E	Charles, 1978
	E	Chernick, 1975
	E	Clark, T. B., 1975
	S	Coulter, 1978
	E	Cox, 1978
	S	Davidson, 1974
	E	Doyoub, 1974
	S	DiNapoli, 1975
	E	Dodd, 1975
	E	Drum, 1974
	E	Edwards, 1975
	S	El-Hebshi, 1975
	E	Elliot, 1974
	E	Ellis, 1974
	S	Erker, 1974
	E	Esham, 1975
	E	Fehlen, 1974
	S	Flake, 1974
	E	Flexer, 1974
	E	Friesen, 1977
	E	Gallicchio, 1977
	E	Gates, 1977
	E	Grant, 1976
	E	Hamzeh, 1978
	E	Hartman, 1975
	E	Harvey, 1974
	S	Hatfield, S. H., 1975
	E	Hawkins, 1975

Preservice preparation procedures (cont.)

D	E	Hayatgheib, 1978
	E	Helmer, 1975
	E	Horak, 1978
	E	Houser, 1975
	S	Johnson, C. S., 1976
	E	Johs, 1975
	E	Jones, 1974
	E	Joyner, V., 1974
	S	Karimpour, 1978
	E	Kaufman, 1974
	E	King, C. C., 1976
	E	Kleinhaus, 1977
	E	Kongsasana, 1978
	E	Kontogianes, 1974
	E	Lassa, 1976
	E/S	Lekskul, 1977
	E	Mages, 1976
	C	Malo, 1975
	E	Mao, 1976
	E	Mathies, 1976
	S	McQueen, 1976
	E	Meyerson, 1978
	E/S/C	Mitchelmore, 1975
	S	Mocadlo, 1974
	E	Mongkolsuksawat, 1975
	E	Morris, 1974
	E	Mueller, 1978
	E	Muzzey, 1974
	E	Nelson, 1975
	E	Nielsen, 1975
	E	Niver, 1977
	E	Olson, S., 1977
	S	Onyejuruwa, 1978
	E	Pigford, 1975
	S	Poolsawasdi, 1976
	E	Richard, 1977
	S	Richardson, 1974
	S	Rizza, 1975
	E	Rose, M., 1977
	E	Rosenberger, 1978
	E	Rothbardt, 1977
	S	Salhab, 1974
	E	Sastsara, 1976
	E	Saunders, 1977
	E	Schwartz, 1978
	S	Showers, 1974
	E	Shrestha, 1978
	S	Sigmund, 1974
	C	Smith, A. F., 1976
	C	Smith, R. M., 1975
	E	Snyder, 1974
	E	Sovchik, 1975

Pre-service preparation procedures (cont.)

D	S	Stone, 1976
	E	Tarzaban, 1975
	E	Tate, 1978
	E	Thompson, 1977
	C	Trotta, 1975
	E	Tunis, 1974
E	E	Catanzano, 1976
	S	Denton, 1977
	E	Dodd, 1975
	S	Farrell et al., 1976
	E/S	Flake, 1974
	S	Johnson, C. S., 1975
	E	Kennedy, 1974
	S	Kulm, 1975
	C	McLeod and Adams, 1977
	C	Mitzel and Wodtke, 1965
	E/S	Trent, 1975a, b, 1976
	E	Young, 1975

Pre-service attitudes (t-1c)

A	S	Bright and Carry, 1974
	S	Fraser and Koop, 1978
	S	Koop and Fraser, 1978
	E	Lerch, 1974
	E	Vance, 1978
D	E	Bazik, 1976
	E/S/C	Bowling, 1977
	E	Brikhead, 1974
	E	Drum, 1974
	E	Gates, 1977
	E	Helmer, 1975
	E	Johnson, B., 1977
	E	Kangsasana, 1978
	S	Scaglione, 1975
	E/S	Silverman, 1978
	E	Stein, 1976
E	S	Kulm, 1975

Pre-service characteristics (t-1d)

A	E	Boyce, 1978
	E	Gordon, 1977
	S	Mattsson, 1974
	E/S	Milgram and Milgram, 1976

Pre-service characteristics (cont.)

A	S	Sowder, 1974
	E	Thornton, 1977
	E/S	Wilson et al., 1976
D	E	Benedict, 1977
	E	Benton, 1977
	S	Erker, 1974
	E/C	Heimbuch, 1977
	S	Petery, 1974
	E	Stein, 1976

In-service (t-2)

A	E	Green, 1976
D	S	Bhalla, 1975
	E/S	Crawford, 1975
E	E	Barszcz, 1975a

In-service competency levels (t-2a)

A	E	Acland, 1976
	E/C	Behr and Eastman, 1978
	E	Eisenberg, 1976
	E	Fyffe, 1978
	S	Hartke, 1978
	E	Pigge et al., 1978
	E	Reys and Yeager, 1974
D	S	Brames, 1977
	-	Burtley, 1975
	S	Campbell, N. J., 1975
	E	Clark, 1974
	S	Haque, 1977
	E	Heatherly, 1978
	E	Johnston, 1978
	S	Lindeman, 1978
	E	McGill, 1975
	E	Muzzey, 1974
	E	Richard, 1977
	S/C	Tan, 1976
	S	Thomas, 1974
	E	Welch, 1976
E	E	Behr and Eastman, 1975
	E	Eisenberg, 1974
	E	Higdon, 1975

In-service competency levels (cont.)

E	-	Northrop, 1977
	E	Powell, 1976

In-service procedures (t-2b)

A		DeRuiter and Stramiello, 1978
	E	Fuson, 1975
	E	Hall, 1974
	S	Hendrickson and Virant, 1978
	S	Johnson and Byars, 1977
	S	Kagan and Tamir, 1977
	E/S	O'Brien and Shapiro, 1977
	E	Price et al., 1977
	E	Sowell, 1974
	E	Swadener, 1978
	E	Talmage and Hart, 1977
	E	Tobin and Bonner, 1977
	E/S	Trent, 1978
D	S	Aiello, 1978
	S	Andersen, E., 1978
	C	Armstrong, 1978
	E	[illegible], 1978
	E	Bernstein, 1974
	S	Brennen, 1978
	E	Calhoun, 1976
	E	Candler, 1977
	S	Corbet, 1976
	S	Davis, D. A., 1975
	E	Davis, J., 1978
	E	Esham, 1975
	E	Flower, 1978
	E	Hansen, 1974
	E	Hill, K. J., 1975
	S	Kapoor, 1976
	S	Karimpour, 1978
	E	Klotz, 1978
	S	Lott, 1974
	S	Lynch, 1976
	E	Molina, N., 1977
	S	Nisbet, 1974
	E	Oldaker, 1976
	E	Osibodu, 1976
	S	Parker, 1975
	S	Pavelka, 1975
	S	Pennington, 1976
	S	Rajendra-Prasad, 1975
	S	Rakpraja, 1978
	S	Rudn, 1978
	S	Solana, 1975

In-service procedures (cont.)

D	C	Sorensen, 1975
	S	Thomas, 1975
	S	Thomson, 1977
	E	Waite, 1974
	S	Wescott, 1977
	S	Whitman, H. C., 1976
	E	Woodson, 1977
E	E	Austin, 1976
	E	Chow et al., 1976
	S	Graening, 1971
	E	Greene et al., 1976
	S	Hendrickson and Virant, --
	E	Long and Riedesel, 1967
	E/S/C	McIntosh and Crosswhite, 1973
	-	Trent, 1975a, c, 1976

In-service attitudes (t-2c)

A	E	Airasian et al., 1977
	S	Bennett, 1978
	S	Callihan and Bell, 1977
	S	Fraser and Koop, 1978
	S	Gearhart, 1975
	S	Koop and Fraser, 1978
	E/S	Layton and Chappell, 1976
	E	Paulson, 1977
	S	Pereira-Mendoza and Robbins, 1977
	S	Post et al., 1977
	E	Salvia et al., 1977
	E	Sherman et al., 1976
	E	Stedman and Breen, 1977
	E/S	Yvon and Downing, 1978
D	S	Abu Zeineh, 1976
	S	Alexander, 1977
	E	Anastasi, 1978
	E	Aquino, 1976
	C	Armstrong, 1978
	E	Arouz, 1978
	E/S	Beauregard, 1976
	S	Bennett, J. P., 1976
	E/S	Boardman, 1975
	E/S/C	Bowling, 1977
	S	Corbet, 1976
	E	Eveland, 1975
	E	Fenrow, 1975
	S	Gearhart, 1975
	E	Gessner, 1978

In-service attitudes (cont.)

D	S	Gordon, 1975
	S	Haque, 1977
	S	Headrick, 1976
	E	Heinz, 1977
	E	Krause, 1974
	E	Lockhart, 1977
	S	Maffei, 1977
	E	McGill, 1975
	E/S	McMaster, M. K., 1976
	E/S	McMurry, 1975
	S	McQueen, 1976
	S	Mecagni, 1975
	E	Moritt, 1977
	E	Morton, 1977
	E	Nolen, 1978
	S	Schubert, 1975
	E/S	Scott, 1977
	E	Weber, 1978
	E	Whitaker, D., 1977
E	E	Alpert and Hummell-Ross, 1975
	E	Campbell and Virgin, 1976
	E	Higdon, 1975
	E	Nolen et al., 1976, 1977
	E	Post et al., 1974, 1976
	E/S	Weiss, 1978a,b,c

In-service characteristics (t-2d)

A	S	Campbell, 1974
	C/E	Catanzano and Godwin, 1976
	S	Eisenberg, 1977
	S	Estadt et al., 1976
	S	Friedman, 1976
	E	Good and Grouws, 1977
	S	Gregory and Osborne, 1975
	S	Hall and Thomas, 1977
	S	Hall and Thomas, 1978
	E	Levenkron et al., 1974
	E	Luce and Hoge, 1978
	S	Maffei, 1978
	E	Paulson, 1977
	E	Price et al., 1977
	S	Rakow et al., 1978
	S	Robitaille, 1975
	E	Sheehan and Marcus, 1977
	E	Sherman et al., 1976
	S	Short and Szabo, 1974
	S	Smith, 1977
	C	Smith and Edmonds, 1978

In-service characteristics (cont.)

A	C	Whitely and Doyle, 1978
	S	Woods, 1976
D	E/S	Ajose, 1975
	S/C	Allen, F. R., 1977
	S	Alvarado, 1974
	C	Banks, 1975
	E	Batchelder, 1976
	S	Briggs, J., 1978
	E	Brossette, 1976
	E	Clark, 1974
	E	Courtney, 1978
	S	Cypher, 1978
	E	Davies, 1974
	E	Dempsey, 1976
	E	Espinosa, 1976
	E	Farley, 1976
	S	Ford, 1977
	E	Gaines, 1978
	E/S	Gates, J. D., 1975
	E	Gufford, 1976
	E	Hagerty, 1974
	C	Hale, 1975
	E/C	Heimbuch, 1977
	E	Heinz, 1977
	S	Heller, 1974
	E	Hill, 1974
	A	Hill, J., 1977
	S	Kaiser, 1974
	E	Kazarian, 1978
	E	Lazerick, 1976
	S	Lewis, 1974
	S	Loehrlein, 1974
	E	Mayberry, 1974
	E	McCabe, 1978
	S	McCoy, 1974
	E	McCuiston, 1975
	C	McSurdy, 1975
	S	Medoff, 1974
	E	Morgan, R., 1977
	E	O'Brien, 1975
	E	Powers, 1976
	E	Prekeges, 1974
	E	Roche, 1975
	S	Smith, L., 1974
	S	Stanionis, 1975
	S	Summers, 1977
	S	Thomson, 1977
	S	Tines, 1974
	E	Turkel, 1977
	-	Whiley, 1976
	E	White, 1977
	S	Young, C. A., 1975

In-service characteristics (cont.)

E	E	Berliner et al., --
	E	Cahen, 1976, 1977a,b,c
	E	Calfee and Calfee, 1976
	E	Elias et al., 1976a, b
	S	Farmer, 1978
	E	Filby, 1977
	E	Filby and Dishaw, 1975, 1976
	E	Filby and Fisher, 1977
	E	Filby and Marliave, 1977
	E	Fisher et al., 1976, 1977
	E	Good and Grouws, 1975
	D	Joyce et al., 1975
	S	Martin, 1975
	E	McKinney, 1975
	S	Merkel, 1970
	S	Orr, 1962a,b,c
	E	Prekeges, 1973
	S	Raschke et al., 1974
	E/S	Weiss, 1978a,b,c
	S	ED 148 643, 1958

Bibliographical lists (r-1)

E	E/S	Suydam, 1974
	C	Suydam, 1975
	E/S	Suydam and Weaver, 1974

Summaries and reviews (r-2)

A	C	Barnes and Clawson, 1975
	E	Trown, 1978
D	E	Hartley, 1978
	E/S/C	Weimer, 1975

Summaries and reviews (cont.)

E	C	Aiken, 1974
	E	Bauersfeld et al., 1975
	E/S	Begle, 1975
	E/S	Begle et al., 1975
	E	Burrows, 1976
	E	Campbell, 1976
	E/S	Cooney, 1976
	-	Damarin, 1976
	E/S	Fennema, 1974, 1976
	E/S	Fennema and Sherman, 1976
	E/S	Fox, 1975
	E/S	Gerling and Wood, 1976
	C	Gimmestad and Swadener, 1978
	E/S	Goldbecker, 1976
	E	Gow, 1977
	E/S	Hatfield and Bradbard, 1978
	-	Krathwohl, 1974
	E/S	Lesh and Bradbard, 1976
	E/S	Martin and Bradbard, 1976
	E/S	Miller, R. L., 1976
	E/S	Osborne and Bradbard, 1976
	E	Resnick, 1975
	E/S	Robinson, 1975
	E/S	Schoen, 1976a
	E	Schoen, 1976b
	S/C	Schoen, 1976c
	E/S	Suydam, 1976
	E/S	Suydam and Higgins, 1977
	E/S	Suydam and Osborne, 1975, 1977a,b
	E/S	Trimmer, 1974
	E/S	van Bruggen and Freudenthal, 1977
	E/S	Wanchoo and Raina, 1976
	E/S	ED 133 179, 1976
	E/S	ED 113 198, 1975